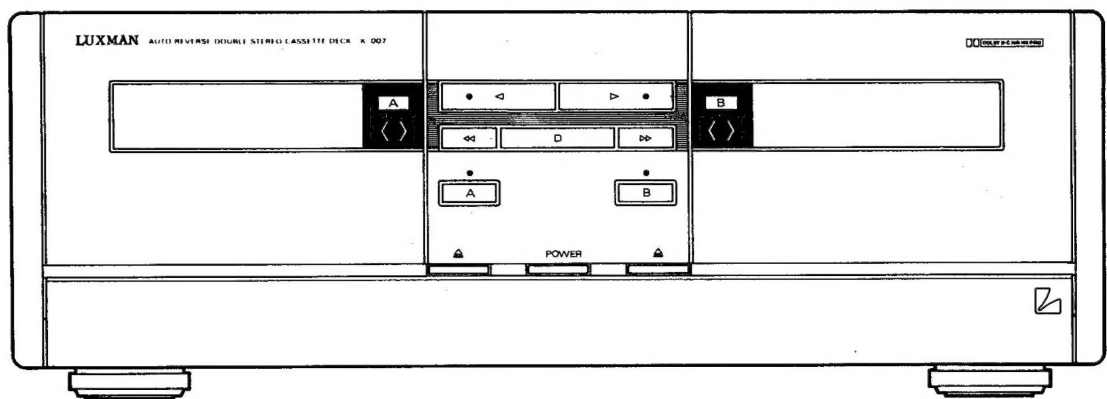


SERVICE MANUAL

Auto Reverse Double Cassette Deck **K-007**



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Specifications

[at PLAYBACK: DECK-A/B]

Output Voltage (MTT-150)	530mV±1.5dB
S/N Ratio	DOLBY OFF : 48dB
("A" Curve WTD, MTT-150)	B : 56dB
.....	C : 61dB
Distortion (MTT-150, DOLBY OFF)	2.5%
Frequency Response (MTT-216)	31.5Hz to 4kHz (±4dB)
Crosstalk (MTT-121)	55dB
Stereo Separation (MTT-141)	35dB

[at RECORD: DECK B]

Input Sensitivity (400Hz)	(Line In) 150mV±2dB
Output Voltage (400Hz)	530mV±3dB
S/N Ratio	DOLBY OFF : 49dB
("A" Curve MTD, Metal Position	B : 57dB
from 400Hz 3% Dist. Point)	C : 62dB
Distortion (400Hz Dolby Level)	3%
Frequency Response (-25dB Rec. Dolby OFF)	
..... NORMAL : 30Hz to 15kHz ($\pm\frac{5}{6}$ dB)	
..... CrO ₂ : 30Hz to 16kHz ($\pm\frac{5}{6}$ dB)	
..... Metal : 30Hz to 16kHz ($\pm\frac{5}{6}$ dB)	
Crosstalk (MTT-121)	55dB
Stereo Separation (MTT-141)	35dB

[RECORD: DUBBING]

Output Level (MTT-150)	530mV±3dB
S/N Ratio	Dolby OFF : 47dB
("A" Curve WTD, Metal Position,	B : 55dB
from Blank Tape P/B)	C : 60dB

Distortion (MTT-150)	3%
Frequency Response (-25dB Rec. Dolby OFF)	
..... 30Hz to 12.5kHz ($\pm\frac{8}{6}$ dB, DUB x 1)	
..... 30Hz to 10kHz ($\pm\frac{8}{6}$ dB, DUB x 2)	
Crosstalk (MTT-121)	55dB
Stereo Separation (MTT-141)	35dB

[GENERAL]

Tape Speed (MTT-111)	
..... 4.76cm/sec. ±1.5% (NORMAL, DUB x 1)	
..... 9.52cm/sec. ±1.5% (DUB x 2)	
WOW & Flutter (JIS WRMS MTT-111)	0.12%
FF/REW Time (C-60)	110sec.
Take Up Torque	30 to 70gcm
FF/REW Torque	90 to 180gcm
Power Supply Voltage	
..... AC100V, 50Hz/60Hz (JA Model Only)	
..... AC120V, 60Hz (UZ Model Only)	
..... AC220/240V, 50Hz (AD/AG Model Only)	
Power Consumption	30W
Load Impedance	47ohm
Semiconductors	12 IC's, 168 Transistors,
..... 74 Diodes, 15 Zener Diodes	
Dimensions	360(W) x 125(H) x 344(D) mm
Weight	6kg

Note: Due to continuing product improvement, specifications and design are subject to change without notice.

Controls & Jacks

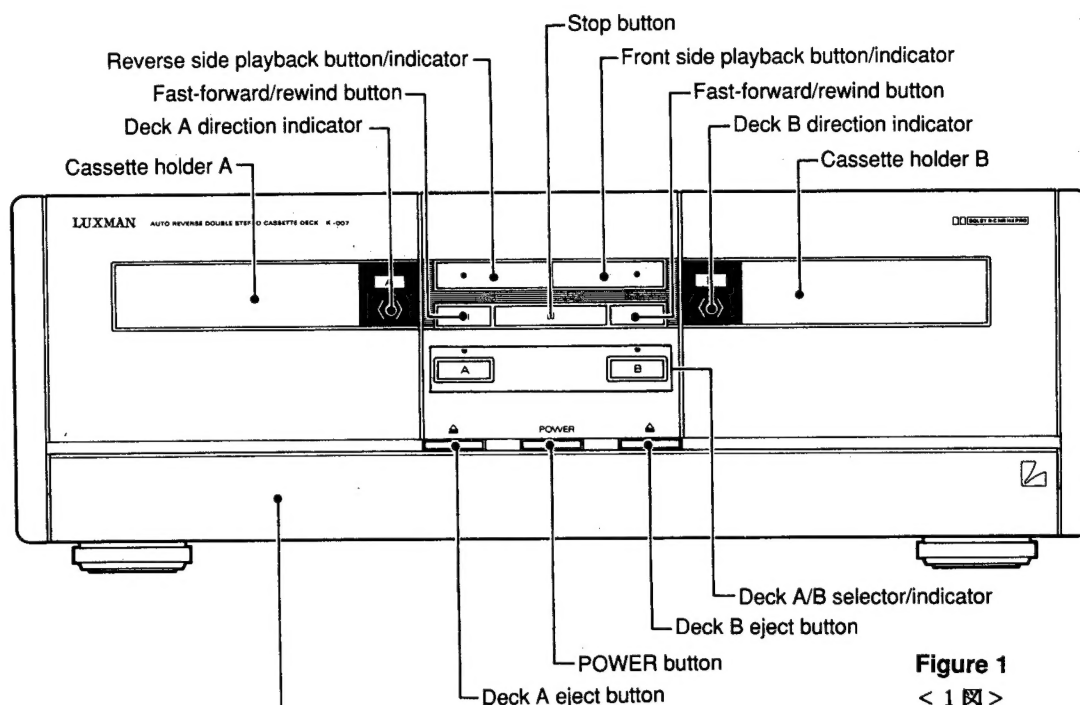


Figure 1

< 1 ☒ >

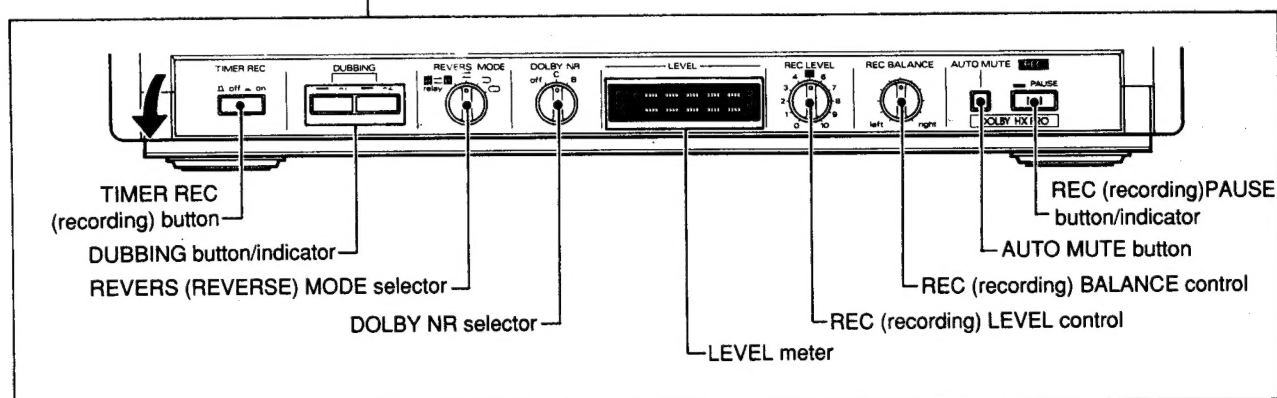


Figure 2

< 2 ☒ >

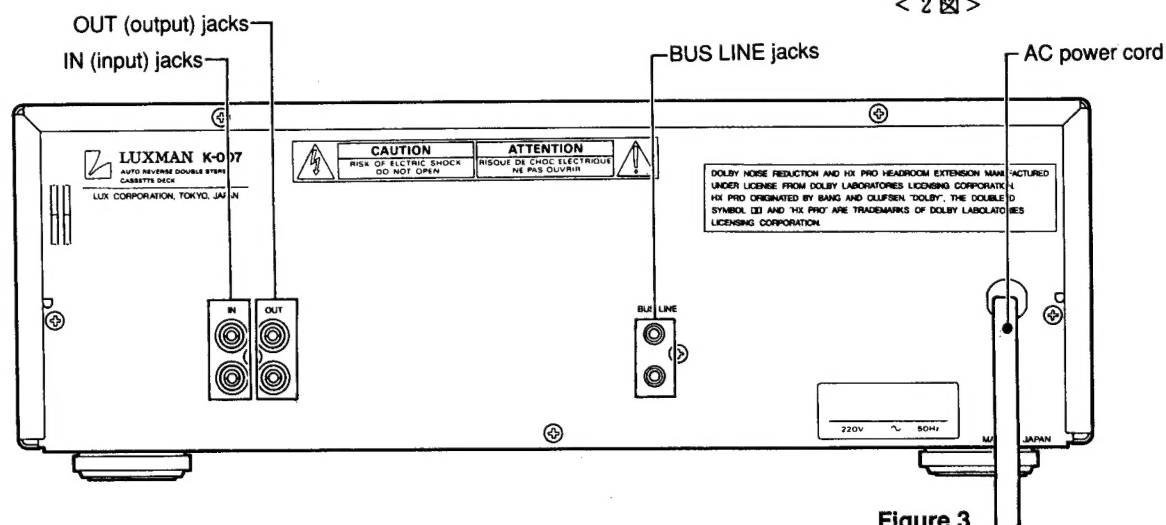


Figure 3

< 3 ☒ >

Operation Guidelines

CASSETTE INSERTION

- Turn the power on.
- Press the eject button A or B to open each cassette holder.
- Insert a cassette in the cassette holder.
- Deck A is for playback only, and no recording can be performed.
- Press the cassette holder until it is restored to the unit.
- When the cassette tape is set in place, the unit detects the cassette type and sets the optimum equalizer bias automatically.
- When recording on deck B, make sure that the tab to prevent accidental erasure is not removed. If it has been removed, the accidental erasure preventive mechanism functions and neither recording, dubbing or blank-searching can be performed.
- Select the desired Dolby NR system with the DOLBY NR selector. Select the same system for playback as that used for recording.

RECORDING

- Insert the cassette for recording in deck B, with side A facing you.
- The deck is selected automatically by inserting a cassette without pressing the deck A/B selectors.
- If the tab to prevent accidental erasure has been removed, the accidental erasure preventive mechanism functions and no recording can be performed. When you use such cassette for recording, apply plastic tape or equivalent on the tab position.
- Select the desired Dolby NR system with the DOLBY NR selector.
- Select the reverse mode with the REVERS MODE selector.

⏮ When recording on one side of the tape is completed, the tape stops.

⏮ ⏭ A=B When recording on side A is completed, the head reverses to the beginning of side B.
And when recording on side B is completed, the tape stops.

- Press the REC PAUSE button. The unit enters recording pause mode and is ready to record. (The pause indicator lights.)
- Select the program source to be recorded with the REC SELECTOR of the A-007 amplifier.
- Turn the REC LEVEL control so that the maximum peak level meter reading is between 0 dB and +3dB.

- When the recording levels are uneven for the right and left channels, turn the REC BALANCE control until they are balanced.
- Press the front side playback button (▶) in recording pause mode. Recording on the front side starts.
- By pressing the AUTO MUTE button in recording pause mode or during recording, about 4 second interspacing is provided. If the button is kept pressed, more than 4 second blank can be inserted.
- To pause during recording, press the REC PAUSE button. To stop recording, press the stop button.

LOCATING A BLANK PORTION ON THE RECORDED TAPE-BLANK SEARCH FUNCTION

More than 3 minutes blank portion on the recorded tape can be located easily.

- Insert the cassette whose blank is to be located in deck B.
- Blank search does not function on the cassette without a tab to prevent accidental erasure or on deck A.
- Press the REC PAUSE button to turn on the indicator.
- Press the fast forward/rewind (⏮, ⏭) button.
- The unit locates a blank in fast forward mode, and enters pause mode after about 4 seconds from the beginning of the blank portion.

PLAYBACK

- Insert the cassette for playback in deck A or B.
- The deck is selected by inserting a cassette without pressing the deck A/B selector.
- Select the desired Dolby NR system with the DOLBY NR selector. Be sure to select the same system for playback as that used for recording. Otherwise, playback may not be performed properly.
- Select reverse mode with the REVERS MODE selector.

⏮ When playback of one side is completed, the tape stops.

⏮ After completing playback of front side, the reverse side is played back. When playback of both sides is completed, the tape stops.

⏮ The front and the reverse sides are played back continuously.

A=B After completing playback of both sides of the tape in deck A, both sides of the tape in deck B are played back. This cycle is repeated up to 8 times. (Refer to "Relay playback" for detail.)

- Select "TAPE" (the jack to which this unit is connected) of the input select buttons of the A-007 amplifier.
- Press either playback button to play back the cassette.
 - ▶ Front side of the cassette is played back.
 - ◀ Reverse side of the cassette is played back.
- By pressing ►► or ◀◀ button during playback, you can locate the beginning of track. You can continue locating forward or reverse up to 8 tracks and start playback from the beginning of the track.
- During playback, if you change the deck to another one by pressing the deck A/B selector, the playback on the previous deck stops.
- Adjust the volume with the volume control of the A-007 amplifier.

RELAY PLAYBACK

- Insert cassettes in both deck A and B.
- The deck in which the cassette is inserted later is selected without pressing the deck A/B selector.
- Select the desired Dolby NR system with the DOLBY NR selector. Be sure to select the same system for playback as that used for recording. Otherwise, playback may not be performed properly.
- Select "A=B" with the REVERS MODE selector.
- Select deck A with the deck A/B selector. Then press ► button to play back the front side of the cassette.
- After playback of the cassette on deck A is completed, the cassette on deck B is played back. This cycle is repeated up to 8 times.

FAST FORWARD/REWINDING

- Select the deck to activate fast forwarding or rewinding with the deck A/B selector.
- In stop mode, press ◀◀ button or ►► button. To fast forward, press the button of the same direction as that shown by the direction indicator. To rewind, press the button of the opposite direction.
- Pressing ◀◀ or ►► button during playback locates the beginning of track. Neither fast forward nor rewinding can be done. To fast forward or rewind during playback, stop playback with the stop button. Then press ◀◀ or ►► button.

TO LOCATE THE BEGINNING OF TRACK

You can locate the beginning of track by pressing the fast forward or rewind button during playback.

- During playback of the front side (▶), press ►► to locate tracks after that track. Press ◀◀ to locate tracks before that track.
- During playback of the reverse side (◀), press ►► to locate tracks before that track. Press ◀◀ to locate tracks after that track.
- When you start locating at the interspace between tracks, up to 8 tracks each forward and backward can be located. When the backward locating is started during playback, the present track is located as the first one and more 7 tracks can be located. When the forward locating is started during playback, 8 tracks can be located.


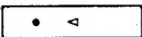
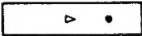

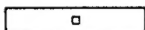


DUBBING

- Insert a recorded cassette in deck A and a cassette for recording in deck B.
- The deck in which the cassette is inserted later is selected without pressing the deck A/B selector.
- Press the X1 or X2 dubbing button. To perform dubbing at normal speed, press X1. To perform dubbing at double speed, press X2. By pressing of the dubbing button, deck A enters playback mode and simultaneously deck B enters recording mode.
- The dubbing on deck B is performed with the same recording level and Dolby NR system as those applied when the tape on deck A was recorded.
- During dubbing, the REC LEVEL control and REC BALANCE control do not function.
- When the REC PAUSE button or the AUTO MUTE button is pressed during dubbing, about 4 second interspace is provided on the tape on deck B, and the unit enters pause mode. To resume dubbing, press the blinking dubbing button.
- To stop dubbing, press the stop button. (Dubbing mode is automatically cleared when the tape on deck B reaches its end.)

If the unit is connected with an L component system (A-007, D-007, T-007, etc.), the remote control, timer-activated playback/recording, synchronized recording, etc. can be performed.

REMOTE CONTROL

When the BUS LINE jacks of an L component system are connected, you can operate the following buttons on the RA-007 remote control unit supplied with the A-007 amplifier. For further details, refer to the owners' manual of the A-007 amplifier.

Fast forward/rewind button	
Reverse side playback button	
Front side playback button	
Deck A/B selector	
Stop button	
REC PAUSE button	
AUTO MUTE button	

TIMER-ACTIVATED PLAYBACK/RECORDING

- When the BUS LINE jacks of the L component system are connected, timer-activated playback/recording can be performed with the timer built in the T-007 tuner.
- Set the starting and ending time for timer-activated playback/recording with the timer of the T-007 tuner. Press the timer button to turn on the timer indicator in the display window. For further details, refer to the owners' manual of the T-007 tuner.
- For timer-activated playback, select TAPE of the input select buttons of the A-007 amplifier. For timer-activated recording, select the program source to be recorded with the REC SELECTOR of the A-007 amplifier. Also set the program source so that the unit is set to playback mode on the preset time for timer-activated recording. For further details, refer to the owners' manual of the A-007 amplifier.
- Insert the cassette for timer-activated playback or for timer-activated recording.
- Set the cassette for timer-activated recording on deck B. Make sure that the tab to prevent accidental erasure is not removed.
- Depress the TIMER REC button of this unit (ON).
- Press the POWER button of the A-007 amplifier to turn off the power of the L component system.
- Timer-activated playback or timer-activated recording will be performed at the preset time with the T-007 tuner.

SYNCHRONIZED RECORDING

When the BUS LINE jacks of the L component system are connected, synchronized recording (this unit is set to recording mode simultaneously with CD playing) can be performed simply by pressing the "synchro" button of the A-007 amplifier.

- Insert the cassette for recording in deck B.
- Adjust the recording level and balance.
- Press CD of the input select buttons and set REC SELECTOR to CD/ex. digital on the A-007 amplifier. For details, refer to the owner's manual of the A-007 amplifier.
- Load a compact disc on the D-007 compact disc player. For details, refer to the owner's manual of the D-007 compact disc player.
- Press the "synchro" button of the A-007 amplifier. D-007 starts playing and simultaneously this unit starts recording.
- When CD playing is paused during synchronized recording, this unit provides about 4 second blank on the tape and enters pause mode. When the REC PAUSE button of this unit is pressed during synchronized recording, on the contrary, the D-007 compact disc player enters pause mode simultaneously.
- When CD playing is stopped during synchronized recording, this unit provides about 4 second blank on the tape and stops recording. When the stop button of this unit is pressed during synchronized recording, on the contrary, the D-007 compact disc player stops play simultaneously.

Disassembly (Cabinet)

1. Removal of Top Cover

- (1) Remove six screws marked "●" as shown in Figure 4.
- (2) Pull out the top cover in the arrow direction as shown in Figure 4.

1. 上蓋の取り外し方

- (1) 6本のネジ "●" を外します。(4図参照)
- (2) 上蓋を矢印の方向へ引き抜きます。(4図参照)

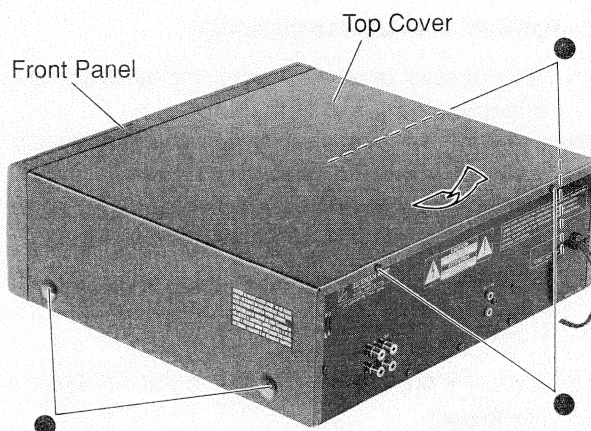


Figure 4
< 4 図 >

2. Removal of Front Panel

- (1) After removal of the top cover, remove four screws marked "○" as shown in Figure 5.
- (2) Disconnect all wires from the Deck Mechanism (A)/(B), Key Switch P.C.Board, REC Pause P.C.Board, Reverse Mode Switch P.C.Board, REC Volume P.C.Board, Dubbing Switch P.C.Board and DIR Indicator P.C.Board (A)/(B).
- (3) Front Panel with the Deck Mechanism (A)/(B), Key Switch P.C.Board, REC pause P.C.Board, Reverse Mode Switch P.C.Board, REC Volume P.C.Board, Dubbing Switch P.C.Board and DIR Indicator P.C.Board (A)/(B) can be removed completely.

2. フロントパネルの取り外し方

- (1) 上蓋を外した後、4本のネジ "○" を取り外します。(5図参照)
- (2) デッキメカ (A) (B)、キースイッチ基板、RECポーズ基板、リバーモードスイッチ基板、RECボリューム基板、ダビングスイッチ基板、DIR表示基板 (A) / (B) からすべてのワイヤーを外します。
- (3) デッキメカ (A) / (B) のフロントパネルと、キースイッチ基板、RECポーズ基板、リバーモードスイッチ基板、RECボリューム基板、ダビングスイッチ基板、DIR表示基板 (A) / (B) は完全に取り外せます。

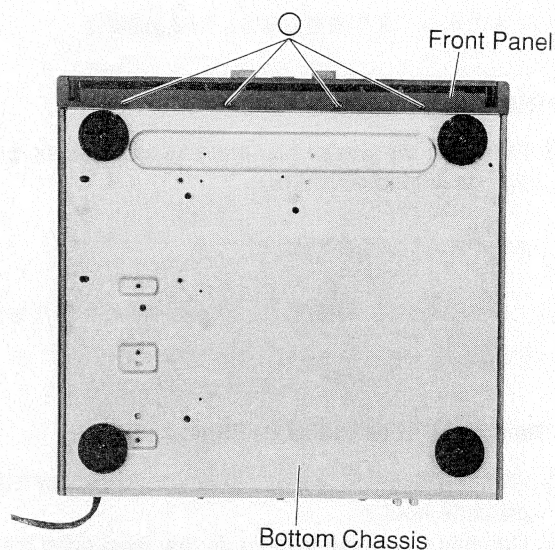


Figure 5
< 5 図 >

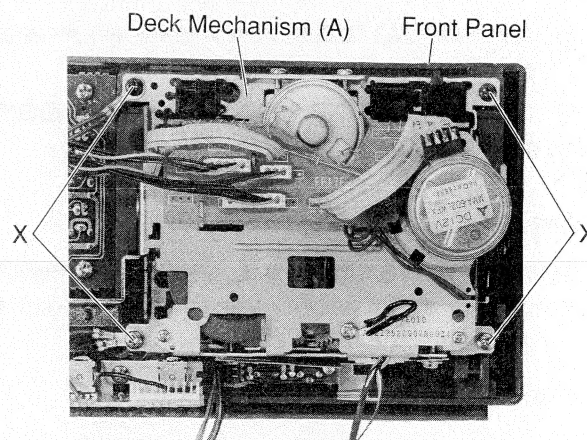


Figure 6
< 6 図 >

3. Removal of Deck Mechanism (A)

- (1) After removal of the front panel, remove a spring as shown in Figure 7.

Note: When the eject switch lever is pressed, the spring removed in 2 - (1) is released and the eject switch remains in the depressed position. When fixing the spring, apply bond to each end of the spring.

- (2) Remove four screws marked "X" as shown in Figure 6.

3. デッキメカ (A) の取り外し方

- (1) フロントパネルを取り外した後、スプリングを外します。
(7 図参照)

【注意】イジェクト SW レバーを押すと 2 - (1) で外したバネが外れ、イジェクト SW が押したままの状態になりますので、バネ取付け時、バネ両端をボンド付けて下さい。

- (2) 4 本のネジ "X" を外します。(6 図参照)

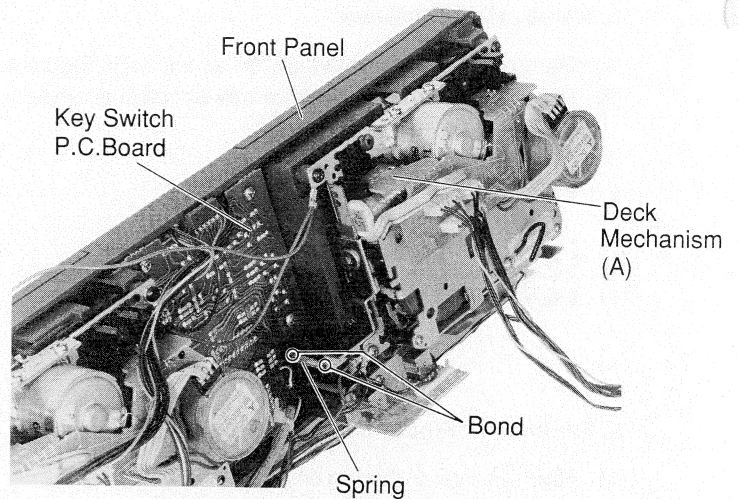


Figure 7

< 7 図 >

4. Removal of Deck Mechanism (B)

- (1) Remove four screws and a spring as same as removing the deck Mechanism (A).

4. メカデッキ (B) の取り外し方

- (1) メカデッキ (A) と同様に、4 本のネジとスプリングを取り外します。

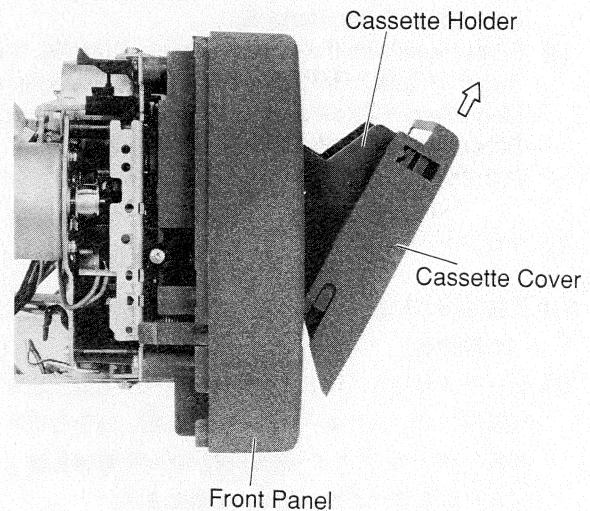


Figure 8

< 8 図 >

5. Removal of DIR Indicator P.C.Board (A)

- (1) After removal of the deck mechanism (A), open the cassette holder.
(2) Remove the cassette cover in the direction of the arrow as shown in Figure 8.
(3) Remove two hooks (A) as shown in Figure 9.

5. D I R 表示基板 (A) の取り外し方

- (1) メカデッキ (A) を取り外してカセットホルダーを開けます。
(2) カセットカバーを矢印の方向に外します。(8 図参照)
(3) 2 箇所のフック (A) を外します。(9 図参照)

6. Removal of DIR Indicator P.C.Board (B)

- (1) After removal of the deck mechanism (B), remove the cassette cover and two hooks as same as removing the DIR indicator P.C.Board (A).

6. D I R 表示基板 (B) の取り外し方

- (1) メカデッキ (B) を外してから、カセットカバーと 2 箇所のフックを D I R 表示基板 (A) と同様に取り外します。

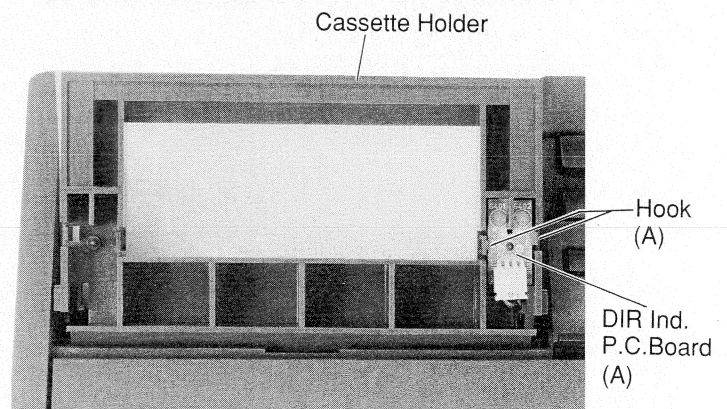


Figure 9

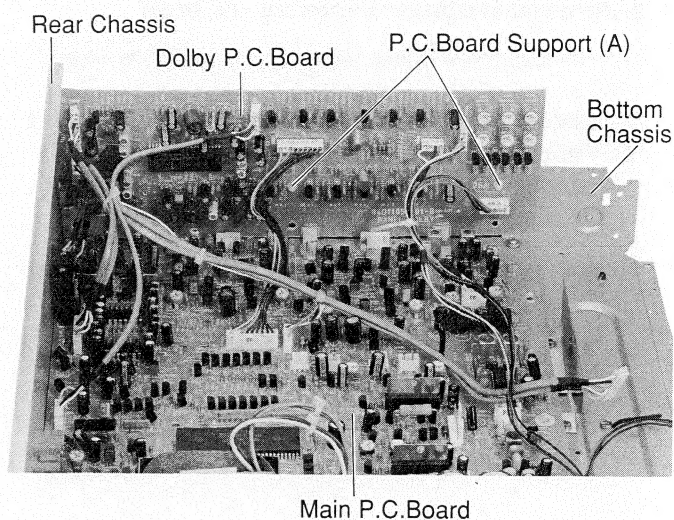
< 9 図 >

7. Removal of Dolby P.C.Board

- (1) After removal of the top cover, remove two P.C.Board supports (A), by pushing the "B" point as shown in Figures 10 and 11.
- (2) Disconnect all connectors from the P.C.Board.

7. ドルビー基板の取り外し方

- (1) 上蓋を外した後、2箇所の基板サポート（A）をB部を押して、外します。（10図、11図参照）
- (2) 基板からコネクタをすべて外します。



Main P.C.Board

Figure 10

< 10図 >

8. Removal of Main P.C.Board

- (1) After removal of the front panel and dolby P.C.Board, remove five screws marked "Δ" as shown in Figures 12 and 13.
- (2) Remove four P.C.Board supports (B), by pushing "B" point as shown in Figures 12 and 11.
- (3) Disconnect all wires from the P.C.Board.

8. メイン基板の取り外し方

- (1) フロントパネル及びドルビー基板を取り外した後、5本のネジ "Δ" を外します。（12図、13図参照）
- (2) 4箇所の基板サポート（B）をB部を押して外します。（12図、11図参照）
- (3) 基板からワイヤーを全て外します。

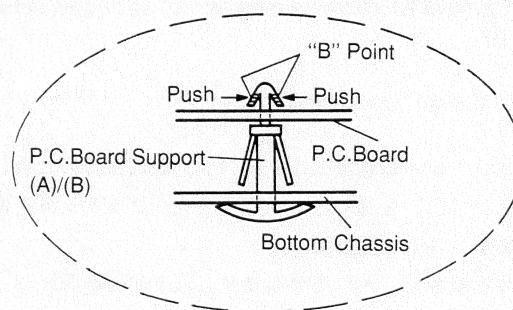


Figure 11

< 11図 >

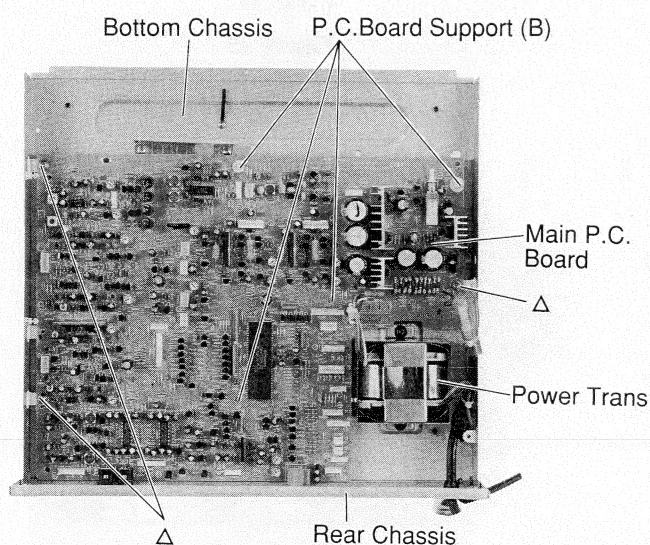


Figure 12

< 12図 >

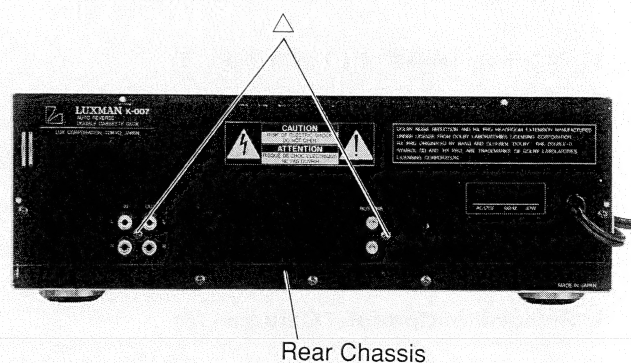


Figure 13

< 13図 >

Disassembly (Deck Mechanism)

1. Removal of Control P.C.Board - (1) to (3)

- (1) Remove three hooks (A) as shown in Figure 14 and 15.
- (2) Disconnect all wires from the control P.C.Board - (1).
- (3) Pull out the control P.C.Board - (1) to (3) in the direction of the arrow, by removing two hooks (B) as shown in Figure 1.

1. コントロール基板 (1) ~ (3) の取り外し方

- (1) 3本のフック (A) を外します。(14図、15図参照)
- (2) コントロール基板 (1) からワイヤーを全て外します。
- (3) 2本のフック (B) を外し、コントロール基板 (1) ~ (3) を矢印の方向に引き抜きます。(1図参照)

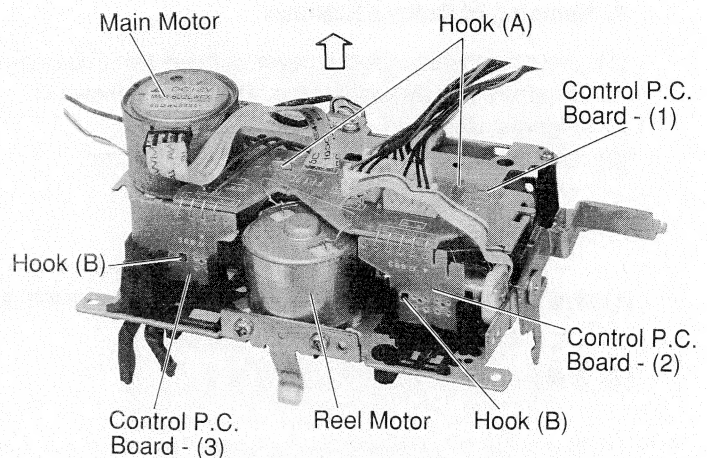


Figure 14
< 14図 >

2. Removal of Main Motor

- (1) After removal of the control P.C.Board - (1) to (3), remove the main motor bracket by removing three screws marked "O" as shown in Figure 14.
- (2) Remove two screws marked "X" as shown in Figure 16.

2. メインモーターの取り外し方

- (1) コントロール基板 (1) ~ (3) を取り外した後、3本のネジ "O" を外し、メインモーターブラケットを取り外します。(14図参照)
- (2) 2本のネジ "X" を外します。(16図参照)

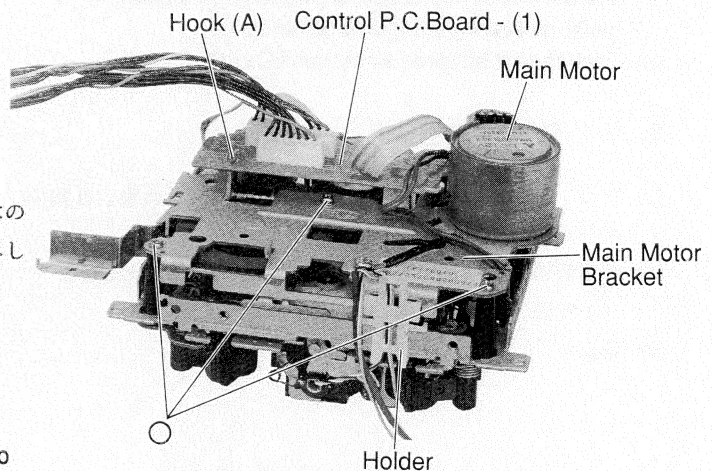


Figure 15
< 15図 >

3. Removal of Control P.C.Board - (4)

- (1) After removal of the main motor bracket, remove two flywheels by removing two washers (A) as shown in Figures 17 and 18.
- (2) Remove the hook (B) as shown in Figure 18.

3. コントロール基板 (4) の取り外し方

- (1) メインモーターブラケットを取り外した後、2枚のワッシャー (A) を外して、2個のフライホイールを引き抜きます。(17図、18図参照)
- (2) フック (B) を取り外します。(18図参照)

4. Removal of Control P.C.Board - (5)

- (1) After removal of two flywheels, remove two hook (C) as shown in Figure 18.

4. コントロール基板 (5) の取り外し方

- (1) 2個のフライホイールを引き抜いた後、2本のフック (C) を外します。(18図参照)

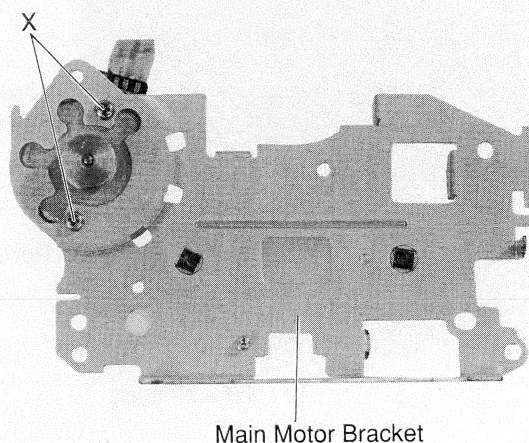


Figure 16
< 16図 >

5. Removal of Head

- (1) Remove two screws marked "△" after removing the holder as shown in Figures 15 and 18.

5. ヘッドの取り外し方

- (1) ホルダー外し、2本のネジ "△" を外します。(15図、18図参照)

6. Removal of Reel Motor

- (1) After removal of two flywheels, remove two pinch rollers by removing two hooks (D) as shown in Figure 18.
- (2) Remove the head bracket, by removing a spring and a screw marked "□" as shown in Figures 18 and 19.
- (3) Remove a spring (B) as shown in Figure 19.
- (4) Remove the play arm by removing a hook (E) as shown in Figure 19.
- (5) Remove the slide plate with cam gear as shown in Figure 19.
- (6) Remove the hold lever by removing a spring (C) as shown in Figure 18.
- (7) Remove two screws marked "*" as shown in Figure 18.

6. リールモーターの取り外し方

- (1) 2個のフライホイールを外した後、2本のフック (D) を外し、2つのピンチローラーを取り外します。(18図参照)
- (2) スプリング及びネジ "□" を外し、ヘッドブラケットを取り外します。(18図、19図参照)
- (3) スプリング (B) を取り外します。(19図参照)
- (4) フック (E) を取り外し、プレイアームを外します。(19図参照)
- (5) スライドプレートとカムギアを取り外します。(19図参照)
- (6) スプリング (C) を取り外し、ホールドレバーを外します。(18図参照)
- (7) 2本のネジ "*" を外します。(18図参照)

7. Removal of Solenoid

- (1) After removal of the play arm, remove a screw marked "☆" as shown in Figure 18.

7. ソレノイドの取り外し方

- (1) プレイアームを取り外した後、ネジ "☆" を外します。(18図参照)

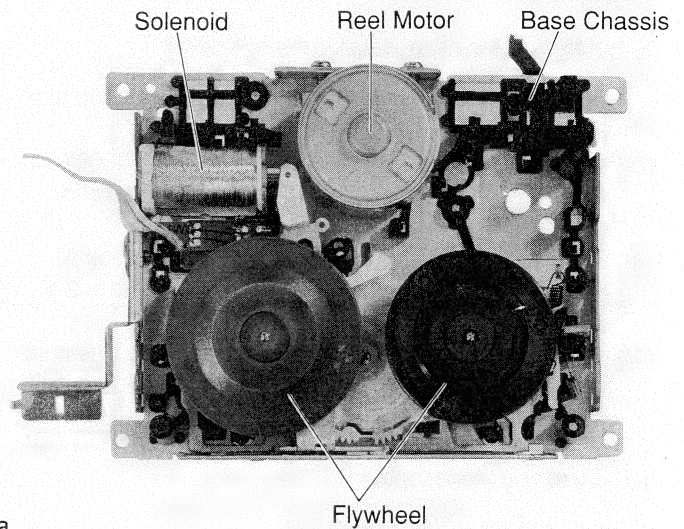


Figure 17

< 17図 >

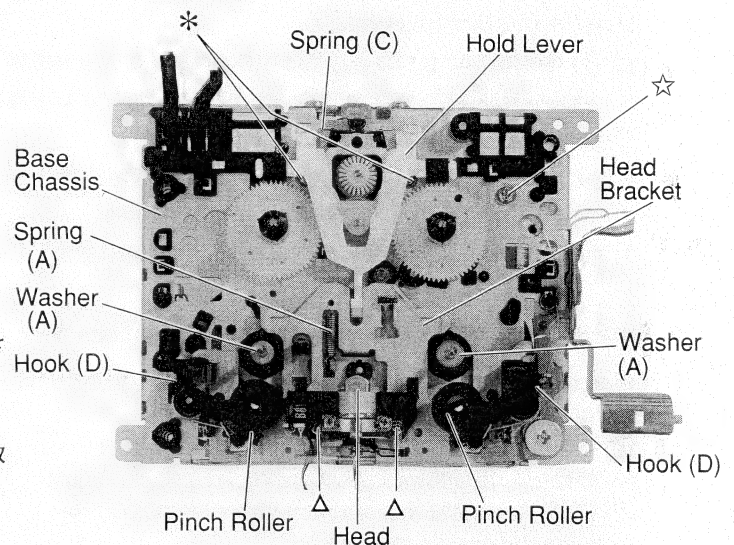


Figure 18

< 18図 >

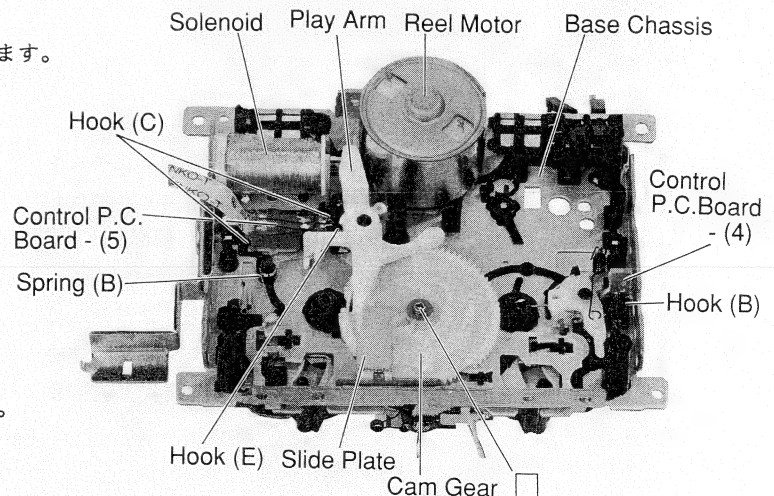


Figure 19

< 19図 >

Adjustments

1. Quick Reverse Adjustment

- (1) Make the connections as shown in Figure 20 and turn the power ON.
- (2) Insert a blank tape into deck A and adjust VR6061 so that the TP6002 output is 2 V DC when the tape is played back.
- (3) Insert a blank tape into deck B as in (2) for deck A, and adjust VR6062 so that the TP6001 output is 2 V DC when the tape is played back.
- (4) Insert test tape AC712 into both decks and make sure that the TP6002 and TP6001 outputs are 0.6 V or less (preferably lower) when the tape is played back.

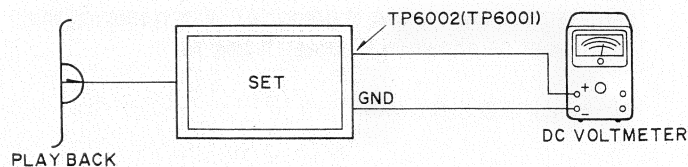


Figure 20

< 20 図 >

1. クイックリバース調整

- (1) 20 図の様に接続し、電源を ON します。
- (2) “A” DECK に BLANK TAPE (テープ無し) を挿入し再生した時、TP 6 0 0 2 の出力が DC 2 V になる様、VR 6 0 6 1 で調整する。
- (3) (2) と同様に “B” DECK に BLANK TAPE を挿入し再生した時、TP 6 0 0 1 の出力が DC 2 V になる様、VR 6 0 6 2 で調整する。
- (4) テストテープ AC 7 1 2 を各デッキに挿入し再生したとき、TP 6 0 0 2、TP 6 0 0 1 の出力がそれぞれ 0.6 V 以下 (低い程望ましい) になっていることを確認します。

2. Tape Speed (Double Speed Dubbing) Adjustment

- (1) Make the connections as shown in Figure 21 and turn the power ON.
- (2) Ground TP6071, insert the test tape MTT-111N (3 kHz, -10 dB) into deck A and play it back. Adjust VR6072 so that the line output becomes 6.000 Hz when the tape is played back.
- (3) Ground TP6072 as in (2) for TP6071, insert the test tape into deck B and adjust VR6074 so that the line output becomes 6.000 Hz when the tape is played back.

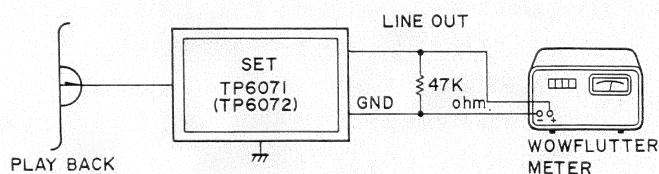


Figure 21

< 21 図 >

2. テープスピード (2 倍速ダビング) 調整

- (1) 21 図の様に接続し電源を ON します。
- (2) TP 6 0 7 1 を GND に落とし、“A” DECK にテストテープ MTT-111N (3 KHz-10 dB) を挿入し再生します。この時ライン出力の出力が 6,000 Hz になる様、VR 6 0 7 2 で調整します。
- (3) (2) と同様に、TP 6 0 7 2 を GND に落とし、“B” DECK にテストテープを挿入し、再生した時のライン出力の出力が 6,000 Hz になる様 VR 6 0 7 4 で調整します。

3. Tape Speed (Same Speed Dubbing) Adjustment

- (1) Make the connections as shown in Figure 21 and turn the power ON.
- (2) Insert test tape MTT-111N (3 kHz, -10 dB) into deck A and play it back. Adjust VR6071 so that the line output during playback becomes 3.000 Hz i.e. that the wow and flutter is 0.12% (JIS WTD) or less.
- (3) Insert the test tape into deck B as in deck A and adjust VR6073 so that the line output becomes 3.000 Hz when the tape is played back. Make sure that the wow and flutter at that time is 0.12% (JIS WTD) or less.

3. テープスピード（等速ダビング）調整

- (1) 21図の様に接続し電源をONします。
- (2) "A" DECKにテストテープMTT-111N (3 kHz -10 dB) を挿入し再生します。この時、ライン出力の出力が3,000 Hzかつワウフラッターが0.12% (JIS WTD) 以下になる様VR6071で調整します。
- (3) (2)と同様に、"B" DECKにテストテープを挿入し、再生した時のライン出力の出力が3,000 Hzになる様、VR6073で調整します。この時、ワウフラッターが0.12% (JIS WTD) 以下であるか確認します。

4. Playback Output Adjustment

- (1) Make the connections as shown in Figure 22 and turn the power ON.
- (2) Insert test tape MTT150 into deck A and play it back. Adjust VR2001 (VR2002) so that the line output L(R) becomes 550 mV.
- (3) Insert the test tape into deck B as in deck A and adjust VR2101 (VR2102) so that the line output L (R) becomes 550 mV.

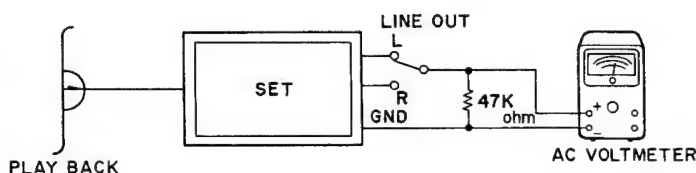


Figure 22
< 22図 >

4. 再生出力調整

- (1) 22図の様に接続し、電源をONします。
- (2) "A" DECKにテストテープMTT150を挿入し再生します。この時、ライン出力L (R) の出力が550 mVになる様、VR2001 (VR2002) で調整します。
- (3) (2)と同様に、"B" DECKにテストテープを挿入し再生した時、ライン出力L (R) の出力が550 mVになる様、VR2101 (VR2102) で調整します。

5. Head Azimuth Adjustment

- (1) Make the connections as shown in Figure 23 and turn the power ON.
- (2) Insert test tape MTT114N (10 kHz, -10 dB) and play it back. Adjust the head azimuth adjustment screws of deck A, as shown in Figure 30, so that the right and left line outputs are maximum and have the same phase in both the normal and reverse direction.
- (3) Insert the test tape into deck B as in deck A and adjust the head azimuth adjustment screws of deck B, as shown in Figure 31, so that the right and left line outputs are maximum and have the same phase in both the normal and reverse direction.

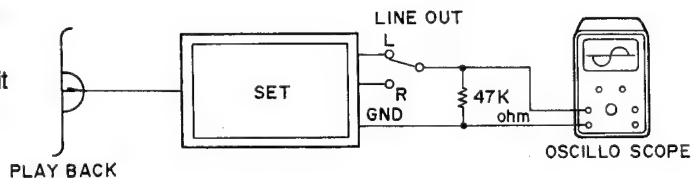


Figure 23

< 2 3 図 >

5. ヘッドアジマス調整

- (1) 2 3 図の様に接続し電源をONします。
- (2) "A" DECKにテストテープMTT114N (10 KHz - 10 dB) を挿入し再生します。この時、左右のライン出力の出力がノーマル、リバーズ側について最大かつ同位相になる様 "A" DECKのヘッドアジマス調整ネジ (3 0 図参照) で調整します。
- (3) (2) と同様に "B" DECKにテストテープを挿入し、再生した時、左右のライン出力の出力がノーマル、リバーズ側について最大かつ同位相である様 "B" DECKのヘッドアジマス調整ネジ (3 1 図参照) で調整します。

6. Input Sensitivity Check

- (1) Make the connections as shown in Figure 24 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode. Set the REC LEVEL volume to the maximum.
- (3) Input the 400 Hz/150 mV \pm 2 dB (oscillator output) signal into the line input in the mode set in (2) and make sure that the line output is 550 mV at that time.

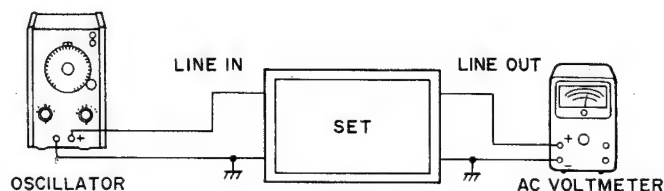


Figure 24

< 2 4 図 >

6. 入力感度確認

- (1) 2 4 図の様に接続し、電源をONします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) 挿入し、REC PLAY状態にします。
この時REC LEVELボリュームを最大にします。
- (3) (2)の状態ではライン入力に400 Hz、150 mV \pm 2 dB (オシレーター出力) の信号を入力した時、ライン出力の出力が550 mVであることを確認します。

7. Meter Adjustment

- (1) Make the connection as shown in Figure 24 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode. Set the REC LEVEL volume to the maximum.
- (3) Input the 400 Hz/150 mV \pm 2 dB (oscillator output) signal to the line input in the mode set in (2), and adjust the line output to 550 mV at that time. Adjust VR8001 (VR8002) observing the level meter of the set so that all the level indicator lamps of L (R) light up at once, and then readjust it so that the +6 indicator lamp goes out.

7. メーター調整

- (1) 24図の様に接続し、電源をONします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) を挿入し、REC PLAY状態にします。
この時REC LEVELボリュームを最大にします。
- (3) (2) の状態でライン入力に400 Hz、150 mV \pm 2 dB (オシレーター出力) の信号を入力した時、ライン出力を550 mVに合わせます。次にセットのレベルメーターを見ながらVR8001 (VR8002) を調節し、L (R) のLEVEL表示灯を一旦全灯させ、+6の表示灯が消える様、VR8001 (VR8002) で調整します。

8. Bias Adjustment

- (1) Make the connections as shown in Figure 25 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode.
- (3) Adjust L5101 so that the TP5101 output becomes 105 kHz \pm 0.1 kHz in the mode set in (2).

8. バイアス調整

- (1) 25図の様に接続し、電源をONします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) を挿入しREC PLAY状態にします。
- (3) (2) の状態でTP5101の出力が105 KHz \pm 0.1 KHzになる様L5101で調整します。

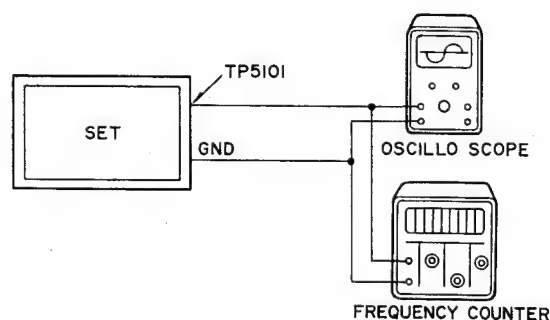
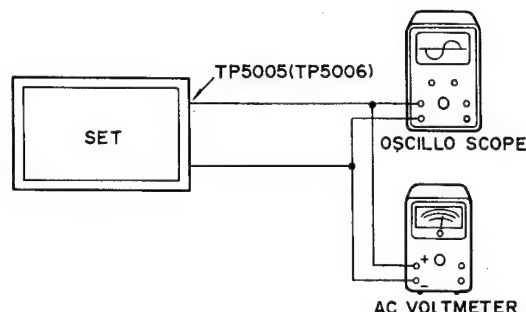


Figure 25
< 25図 >

9. HX Coil Peak Adjustment

- (1) Make the connections as shown in Figure 26 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode.
- (3) Set the metal bias volume VR5071 (VR5072) to the maximum in the mode set in (2). Adjust L5051 (L5052) so that the output of TP5005 (TP5006) becomes maximum.

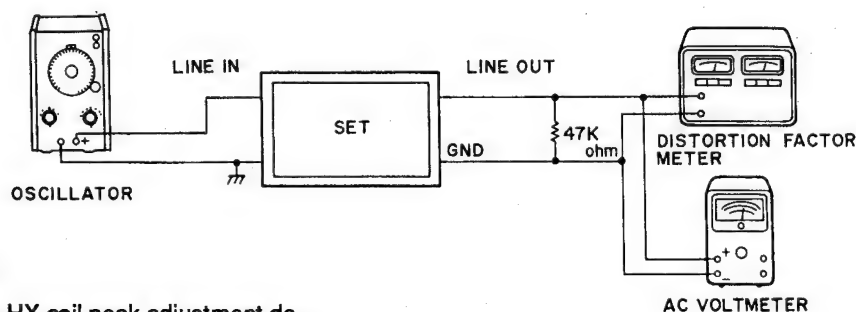


9. HXコイルピーク調整

- (1) 26図の様に接続し、電源をONします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) を挿入し、REC PLAY状態にします。
- (3) (2) の状態でMETALバイアスボリュームVR5071 (VR5072) を最大にします。次にTP5005 (TP5006) の出力が最大になる様、L5051 (L5052) で調整します。

Figure 26

< 26図 >



10. REC/PLAY Adjustment

- (1) After having finished the HX coil peak adjustment described in Item 9, temporarily adjust VR5071 (VR5072) so that the TP5005 (TP5006) output becomes 65 mV.
- (2) Make the connections as shown in Figure 27, input 400 Hz/ 150 mV \pm 2 dB (oscillator output) to the line input, insert the metal tape (TDK AC-712) into deck B and record on it. (Set the REC LEVEL volume to the maximum.)
- (3) Adjust VR5001 (VR5002) so that the line output L (R) becomes 550 mV with a distortion of 1 to 2% when the recorded section is played back.

Figure 27

< 27図 >

10. REC/PLAY調整

- (1) 項目9のHXコイルピーク調整が終った状態でTP5005 (TP5006) の出力が65 mVになる様VR5071 (VR5072) を仮調整します。
- (2) 次に27図の様に接続し、400 Hz 150 mV \pm 2 dB (オシレーター出力) ライン入力に入力し、"B" DECKにMETAL TAPE (TDK AC-712) を挿入し、録音します。(この時REC LEVEL ボリュームは最大とする)
- (3) (2) で録音した部分を再生した時、ライン出力L (R) の出力が550 mV、歪1~2%になる様、VR5001 (VR5002) で調整します。

11. Adjustment of the REC/PLAY frequency response

- (1) Make the connections as shown in Figure 28 and turn the power ON.
- (2) Insert the metal tape (TDK AC-712) into deck B and set to REC PLAY mode. Set the REC LEVEL volume to the maximum.
- (3) Input the signal that has been reduced by 25 dB from the 400 Hz/150 mV \pm 2 dB signal (DOLBY LEVEL reference input) to the line input, and set the output value of the line output L (R) to the reference value.
- (4) Adjust VR5071 (VR5072) so that the output value of the line output L (R) becomes equal to the reference value when the signal that has been reduced by 25 dB from the 12.5 kHz/150mV \pm 2 dB signal is input to the line input.
- (5) Insert the CrO₂ tape (TDK AC-512) as in (2), and set to REC PLAY mode. Input the signal that has been reduced by 25 dB from the 400 Hz/150 mV \pm 2 dB signal (DOLBY LEVEL reference input), and set the output value of the line output L (R) to the reference value as in (3) and (4). Adjust VR5073 (VR5074) so that the output level when the 12.5 kHz/-25 dB signal is input becomes equal to the reference value.
- (6) Insert the normal tape (TDK AC-223) as in (2), and set to REC PLAY mode. Input the signal that has been reduced by 25 dB from the 400 Hz/150 mV \pm 2 dB signal (DOLBY LEVEL reference input), and set the output value of the line output L (R) to the reference value as in (3) and (4). Adjust VR5075 (VR5076) so that the output level when the 12.5 kHz/-25 dB signal is input becomes equal to the reference value.

* When making the adjustments, follow the Items 1 through 11 strictly in this order.

11. REC/PLAY周波数特性調整

- (1) 28図の様に接続し電源をONにします。
- (2) "B" DECKにMETAL TAPE (TDK AC-712) を挿入し、REC PLAY状態にします。
この時、REC LEVELボリュームは最大にします。
- (3) (2) の状態でライン入力に400Hz、150mV \pm 2dB (DOLBY LEVEL基準入力) から-25dBだけ下げた状態の信号を入力した時のライン出力L (R) の値を基準値とします。
- (4) ライン入力に12.5kHz、150mV \pm 2dBの信号から-25dB下げた状態の信号を入力した時、ライン出力L (R) の出力値が基準値と等しくなる様、VR5071 (VR5072) で調整します。
- (5) (2) と同様にCrO₂ TAPE (TDK AC-512) を挿入し、REC PLAY状態にします。次に(3) (4) と同様に400Hz、150mV \pm 2dB (DOLBY LEVEL基準入力) から-25dB下げた状態の信号を入力した時のライン出力L (R) の値を基準値とし、12.5kHz-25dBの信号を入力した時の出力の値が基準値と等くなる様VR5073 (VR5074) で調整します。
- (6) (2) と同様にノーマル TAPE (TDK AC-223) を挿入し、REC PLAY状態にします。次に(3) (4) と同様に400Hz、150mV \pm 2dB (DOLBY LEVEL基準入力) から-25dB下げた状態の信号を入力した時のライン出力L (R) の値を基準値とし、12.5kHz-25dBの信号を入力した時の出力の値が基準値と等しくなる様、VR5075 (VR5076) で調整します。

※調整は項目1～11に順序よく行なって下さい。

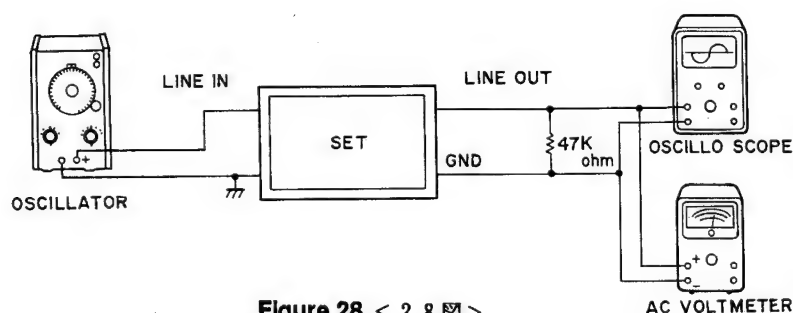


Figure 28 < 28図 >

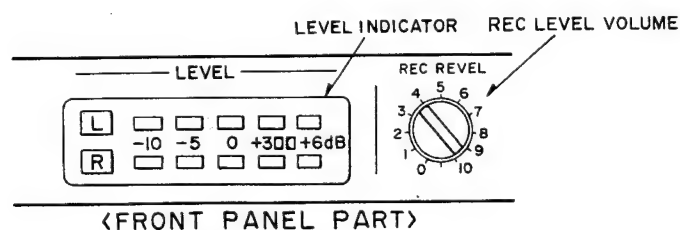


Figure 29 < 29図 >

Adjustment Points

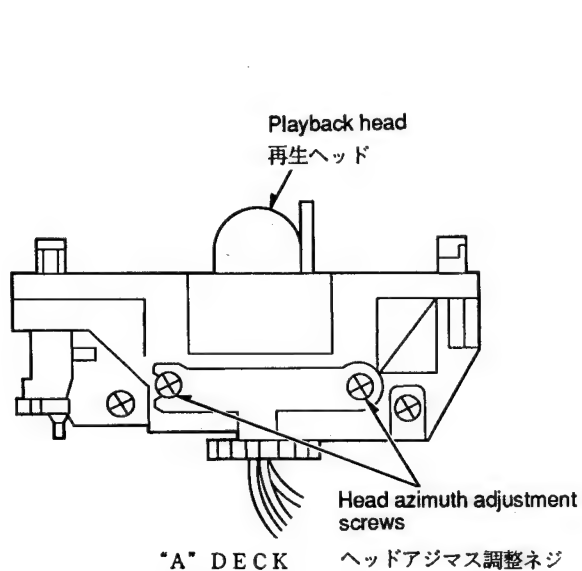


Figure 30

< 3 0 図 >

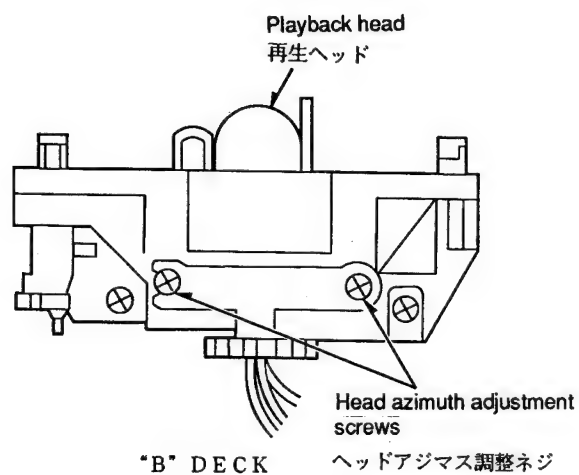


Figure 31

< 3 1 図 >

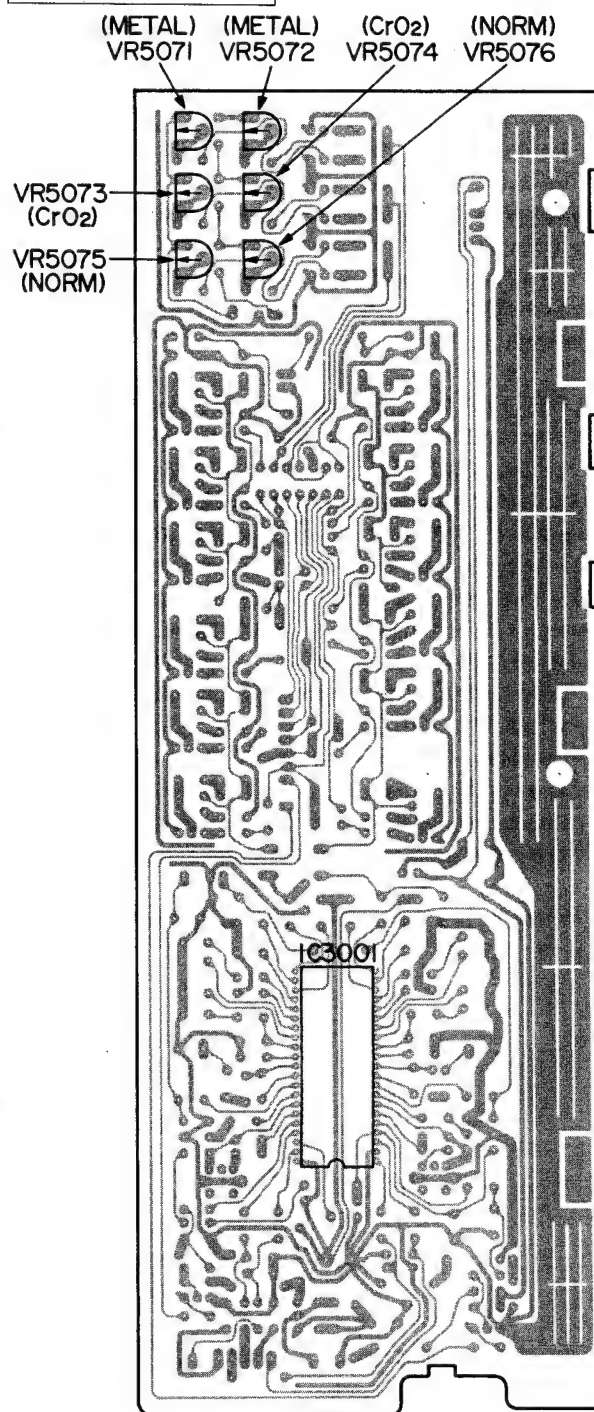
REC/PLAY frequency response
adjustment volume

Figure 32 Dolby PC Board (Component side)

< 3 2 図 > ドルビー基板 (部品面)

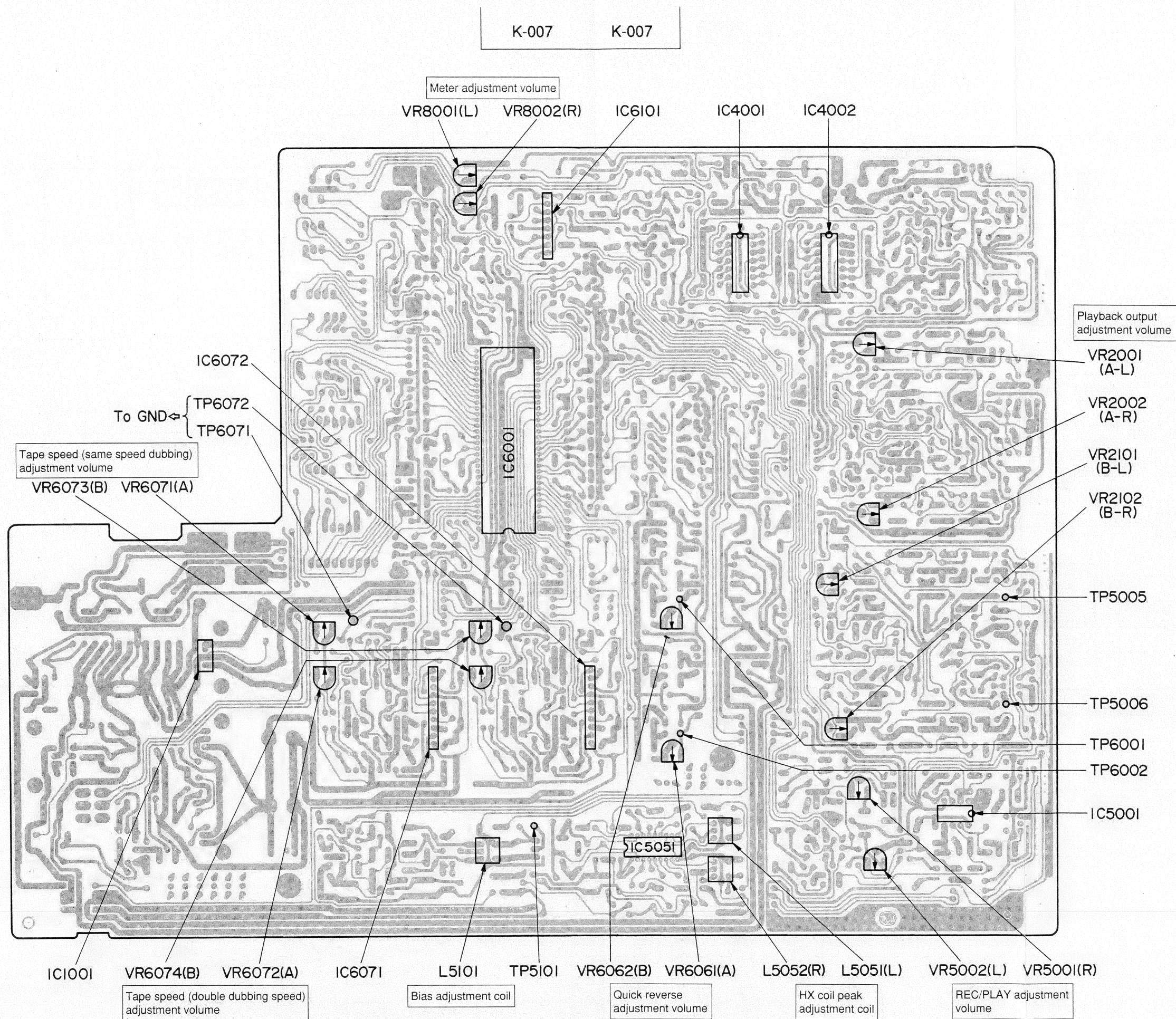
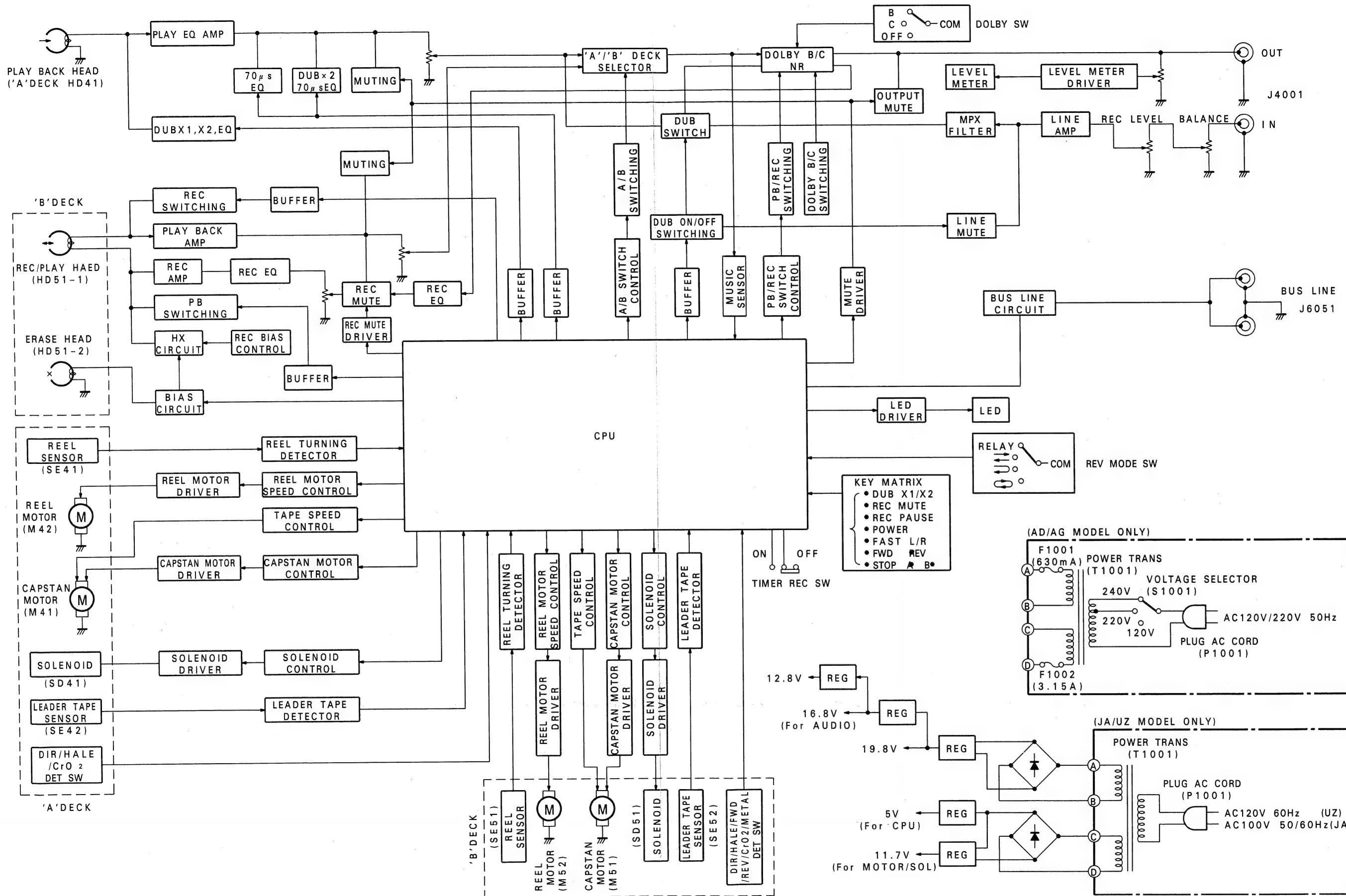


Figure 33 Main PC Board (Component side)

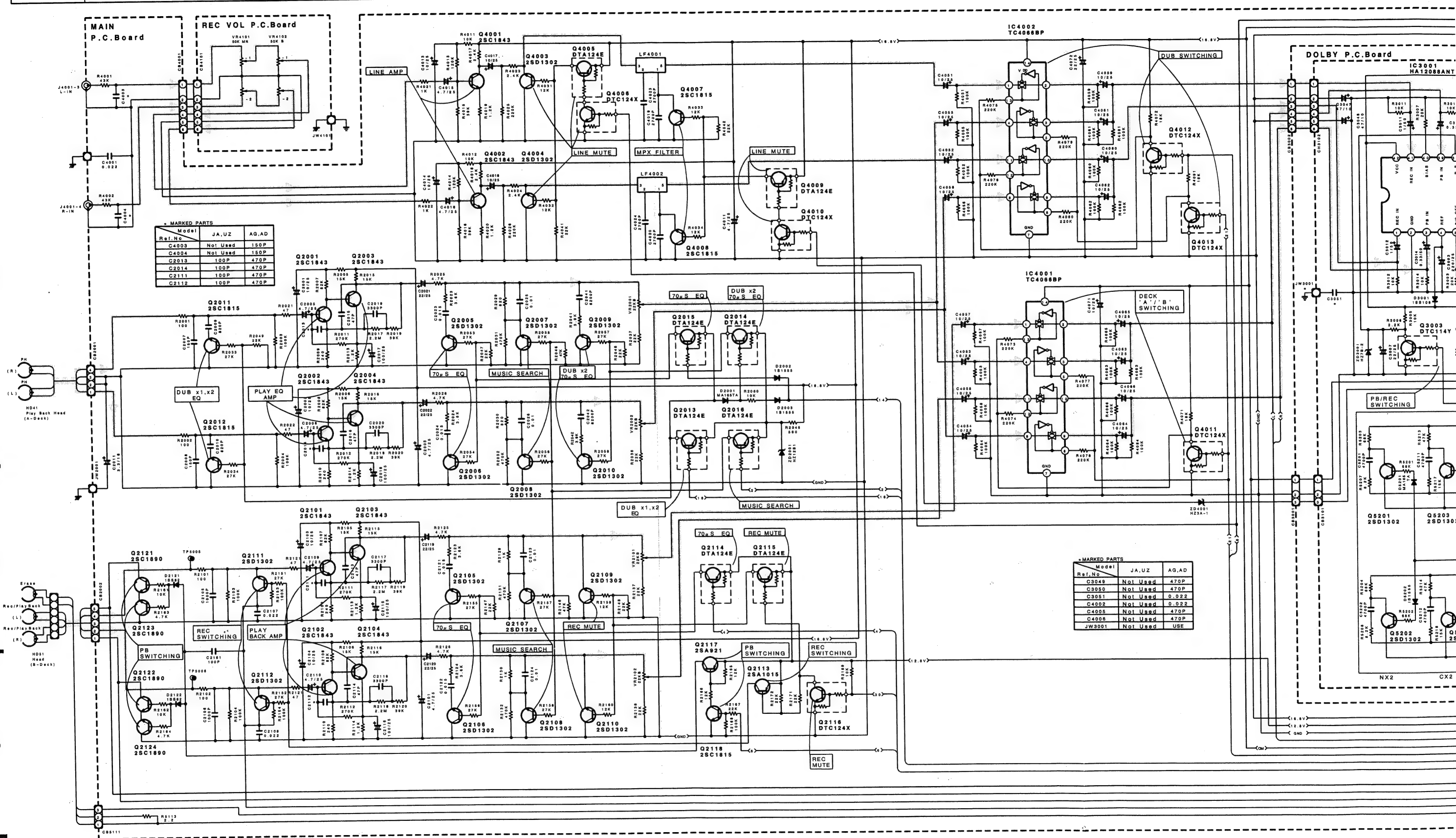
< 3 3 図 > メイン基板 (部品面)

Block Diagram



Schematic Diagram (1/3)

IC'S															IC4002 IC4001										IC3001																																																																																																			
TRANSISTORS (Q)															Q2011 Q2012 Q2121 Q2122 Q2123 Q2124										Q2001 Q2002 Q2101 Q2102 Q2103 Q2104										Q2005 Q2006 Q2105 Q2106										Q4001 Q4002 Q4003 Q4004 Q2007 Q2008 Q2107 Q2108										Q4005 Q4006 Q2009 Q2010 Q2109 Q2110										Q4007 Q4008 Q2015 Q2013 Q2114 Q2117										Q4009 Q4010 Q2014 Q2016 Q2115 Q2113										Q4012										Q4013 Q4011										Q3003										Q5201 Q5202									

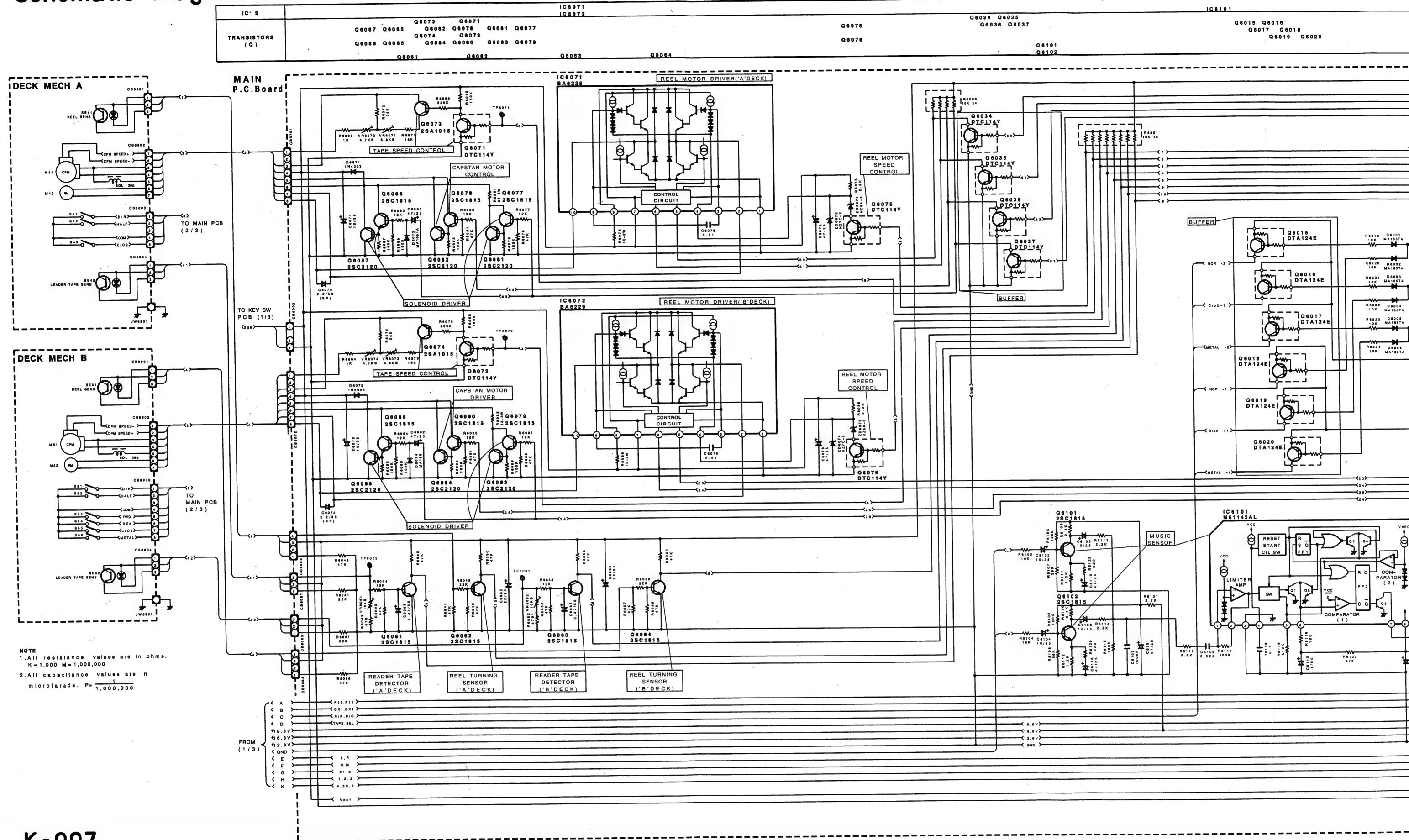


Model	JA, UZ	AG, AD
C4003	Not Used	150P
C4004	Not Used	150P
C2013	100P	470P
C2014	100P	470P
C2111	100P	470P
C2112	100P	470P

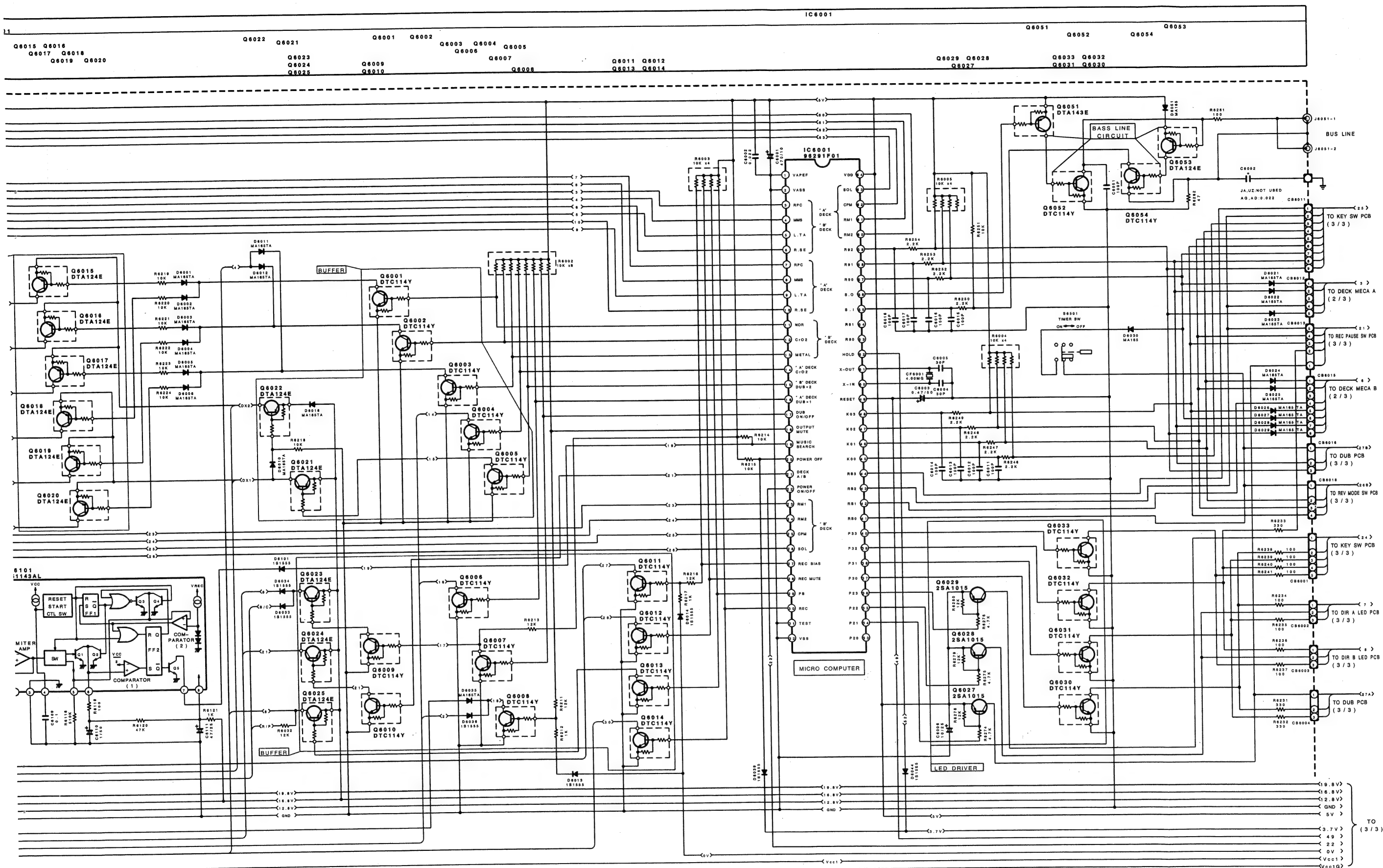
Model	JA, UZ	AG, AD
C3049	Not Used	470P
C3050	Not Used	470P
C3051	Not Used	0.022
C4002	Not Used	0.022
C4005	Not Used	470P
C4006	Not Used	470P
JW3001	Not Used	USE

A | B | C | D | E | F | G | H

Schematic Diagram (2/3)

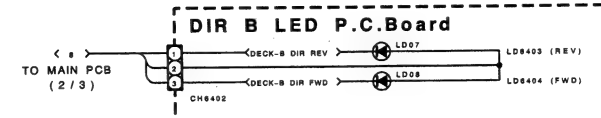
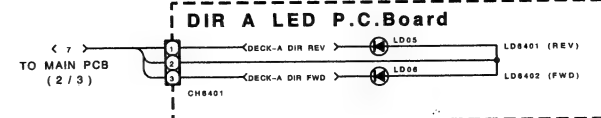
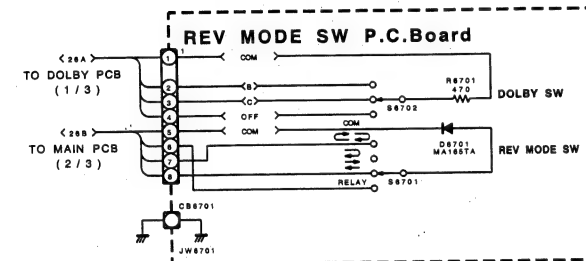
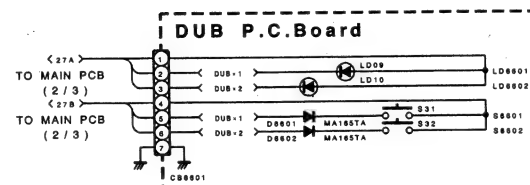
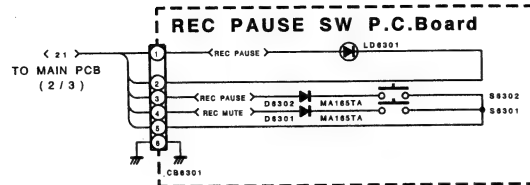
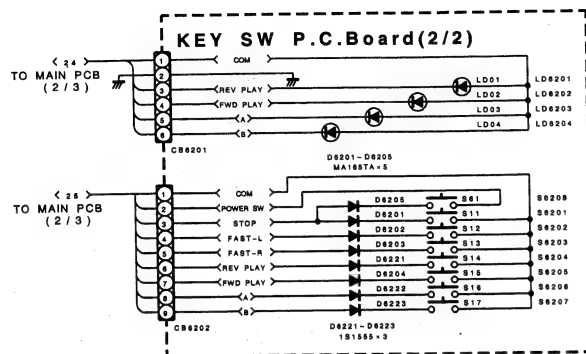


K - 007



Schematic Diagram (3/3)

ICs	IC1001									
TRANSISTORS (Q)	Q1034	Q6026		Q1001	Q1002		Q1009	Q1011	Q1012	
	Q1033	Q1032	Q1031		Q1003	Q1004	Q1005	Q1006	Q1007	

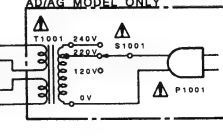
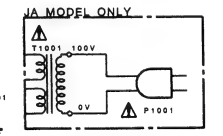
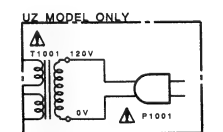
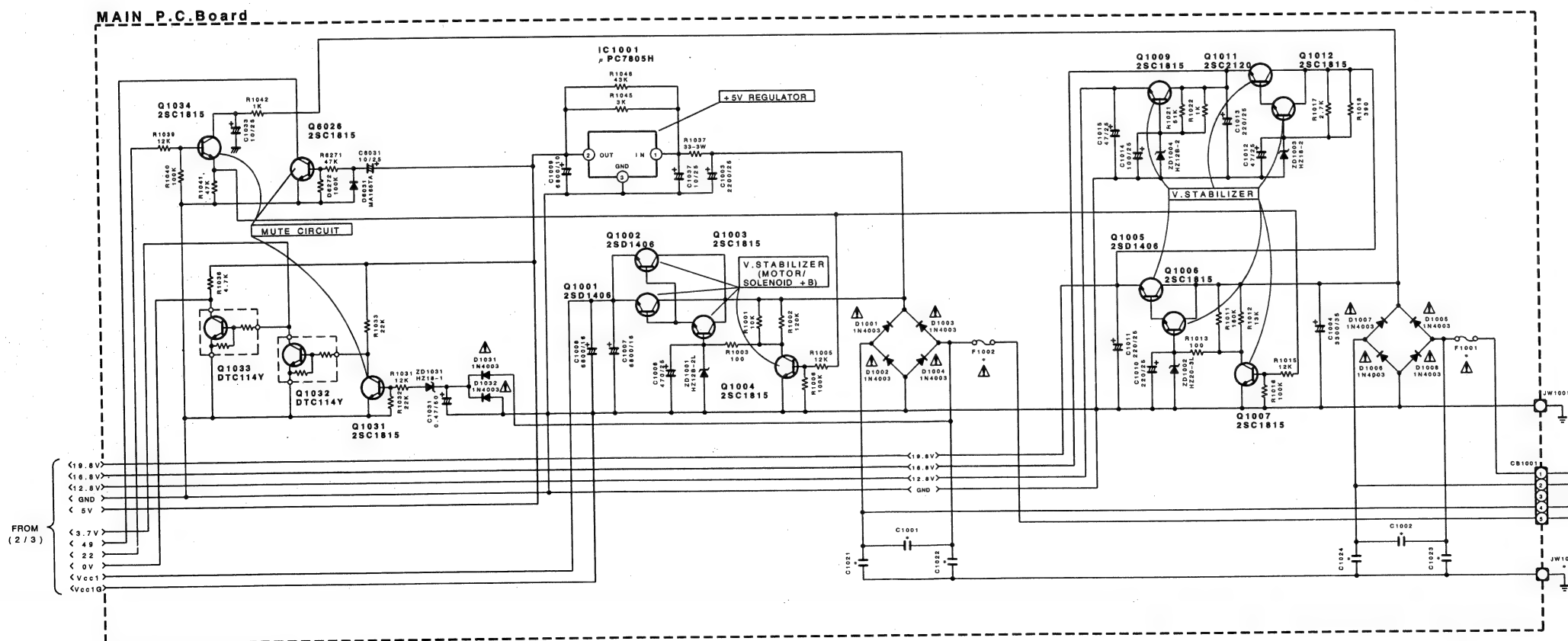


NOTE
1. All resistance values are in ohms. K=1,000 M=1,000,000
2. All capacitance values are in microfarads. P= 1,000,000

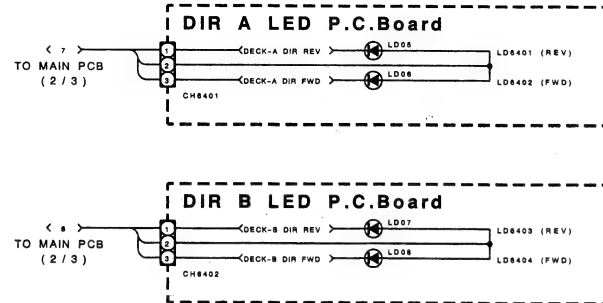
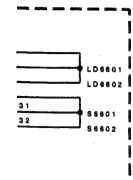
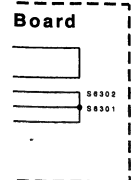
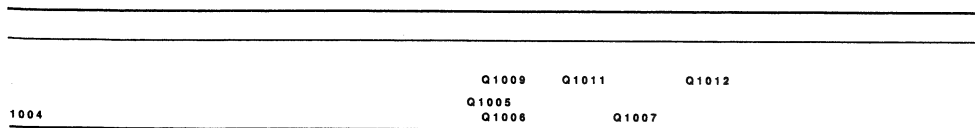
Voltage Measuring Conditions
1. Power Supply Voltage : AC100V, 50/60Hz (JA mdl only)
: AC220V, 50Hz (AD/AG mdl only)
: AC120V, 60Hz (UZ mdl only)
2. Measuring Meter : Digital Multimeter
3. Measuring Point Reference : Between Ground
4. Measuring Condition : No Signal Input
Deck in play conditions

CAUTION:
The Δ mark, the symbol NO. in a box in the schematic diagram and the shaded area in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list

Ref. NO.	Model	JA, UZ	AG, AD
F1001	Jumper	T630mA	
F1002	Jumper	T3.15A	
C1001	Not Used	0.01/500	
C1002	Not Used	0.01/500	
C1021	Not Used	0.01/500	
C1022	Not Used	0.01/500	
C1023	Not Used	0.01/500	
C1024	Not Used	0.01/500	
JW1002	Not Used	USE	



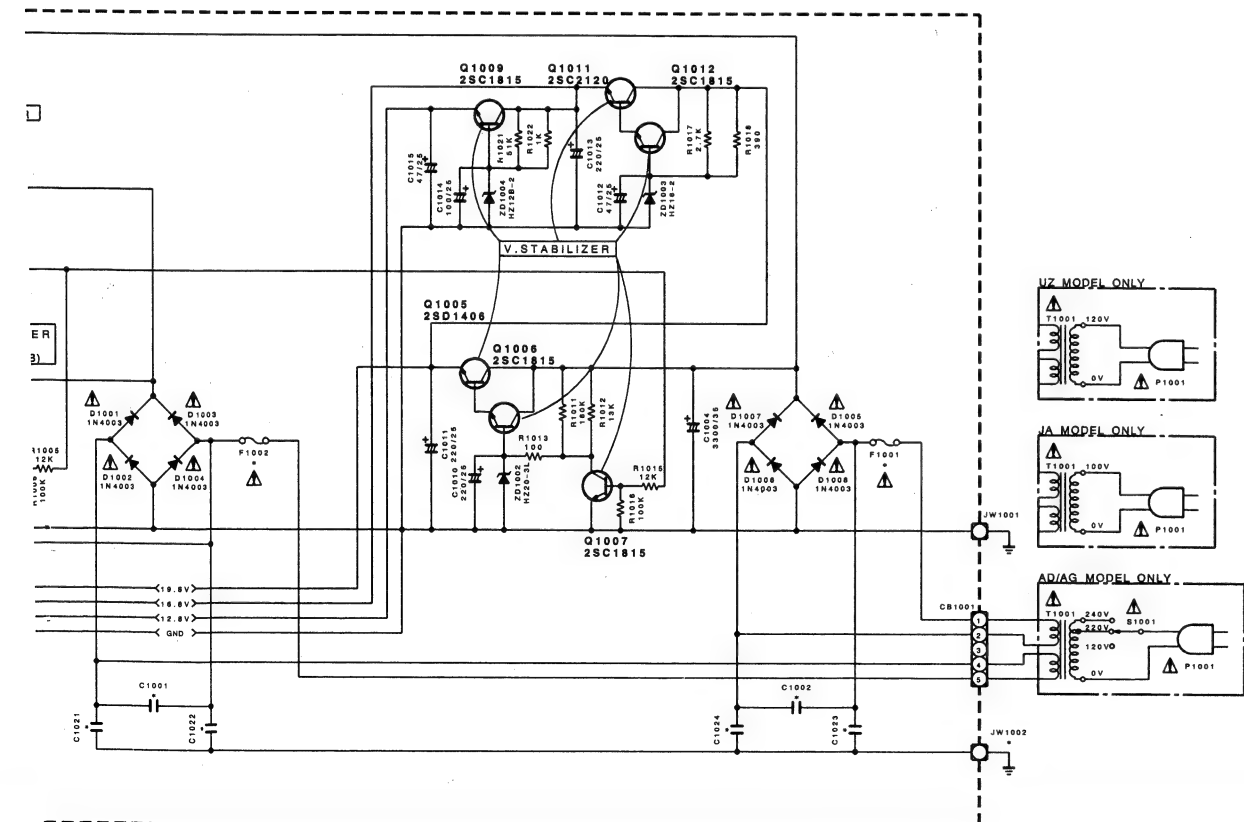
	B	C	E
Q1001	—	19V	11V
Q1002	—	19V	11V
Q1003	12.8V	19V	—
Q1004	—	—	0V
Q1005	—	26.7V	19V
Q1006	21V	26.7V	—
Q1007	—	—	0V
Q1009	12.8V	16.8V	12V
Q1011	—	19.8V	16V
Q1012	18V	19.8V	—
Q1031	—	0V	0V
Q1032	0V	3.7V	0V
Q1033	3.7V	0V	0V
Q1034	—	28.5V	POWER C
Q2001	—	1.3V	POWER Q
Q2002	—	—	—
Q2003	1.3V	8V	0V
Q2004	—	—	—
Q2005	—	0V	—
Q2006	—	0V	—
Q2007	—	0V	—
Q2008	—	0V	—
Q2009	—	0V	—
Q2010	—	0V	—
Q2011	—	0V	—
Q2012	—	0V	—
Q2013	—	12.8V	12V
Q2014	—	DUBx2/CrO2 METAL 12.8V	12V
Q2015	—	CrO2, METAL 12.8V	12V
Q2016	—	12.8V	12V
Q2101	—	—	—
Q2102	—	—	—
Q2103	—	—	—
Q2104	—	—	—
Q2105	—	0V	—
Q2106	—	0V	—
Q2107	—	0V	—
Q2108	—	0V	—
Q2109	—	0V	—
Q2110	—	0V	—
Q2111	—	0V	—
Q2112	—	0V	—
Q2113	—	—	12V
Q2114	—	CrO2, METAL 12.8V	12V
Q2115	—	REC 12.8V	12V
Q2116	—	—	—
Q2117	—	12V	12V
Q2118	—	—	—
Q2119	—	—	—
Q2120	—	0V	—
Q2121	—	—	—
Q2122	—	0V	—
Q2123	—	0V	—
Q2124	—	0V	—
Q3001	13.8V	18.8V	13V
Q3002	8.4V	—	—
Q3003	—	—	—
Q3101	—	0V	—
Q3102	—	0V	—
Q3103	—	—	—
Q4001	—	10.5V	—
Q4002	—	—	—
Q4003	—	0V	—
Q4004	—	0V	—
Q4005	—	—	16V
Q4006	STOP 0V	—	—
Q4007	DUB 16V	—	—
Q4008	—	0V	—
Q4009	—	0V	—
Q4010	DOLBY SW OFF 0.3V	—	—
Q4011	'A' DECK PLAY 16.7V	—	—
Q4012	'B' DECK PLAY 0V	—	—
Q4013	(DUB 16V) 'A' DECK PLAY 16.7V	—	—
Q5031	—	0V	—
Q5032	—	0V	—
Q5033	—	0V	—
Q5034	—	0V	—
Q5035	—	0V	—
Q5036	—	0V	—
Q5037	—	9.5V	8V
Q5051	—	0V	—
Q5052	—	18.8V	REC
Q5071	—	—	—
Q5072	—	—	—
Q5073	—	—	—
Q5074	—	—	—
Q5075	—	—	—
Q5101	—	13V	—
Q5102	—	13V	—
Q5121	—	19.8V	REC
Q5122	—	—	—
Q5201	—	—	—
Q5202	—	—	—
Q5203	—	—	—
Q5204	—	—	—
Q5205	—	—	—
Q5206	—	—	—
Q5207	—	—	—
Q5208	—	—	—
Q5209	—	—	—
Q5210	—	—	—
Q5211	—	—	—
Q5212	—	—	—
Q6001	—	0V	—
Q6002	—	0V	—
Q6003	2.8V	—	—
Q6004	0V	—	—
Q6005	2.9V	—	—
Q6006	2.9V	—	—



NOTE
1. All resistance values are in ohms. K=1,000 M=1,000,000
2. All capacitance values are in microfarads. P= 1,000,000
Voltage Measuring Conditions
1. Power Supply Voltage : AC100V, 50/60Hz (JA model only)
: AC220V, 50Hz (AD/AG model only)
: AC120V, 60Hz (UZ model only)
2. Measuring Meter : Digital Multimeter
3. Measuring Point Reference : Between Ground
4. Measuring Condition : No Signal Input
Deck in play conditions

CAUTION:
The Δ mark, the symbol NO. in a box in the schematic diagram and the shaded area in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list

Ref. NO.	Model	JA, UZ	AG, AD
F1001	Jumper	T630mA	
F1002	Jumper	T3.15A	
C1001	Not Used	0.01/500	
C1002	Not Used	0.01/500	
C1021	Not Used	0.01/500	
C1022	Not Used	0.01/500	
C1023	Not Used	0.01/500	
C1024	Not Used	0.01/500	
JW1002	Not Used	USE	



	B	C	E		B	C	E
Q1001	19V	19V	11.7V	Q6007	2.9V	—	0V
Q1002	—	19V	11.7V	Q6008	—	—	0V
Q1003	12.8V	19V	—	Q6009	—	—	0V
Q1004	—	—	0V	Q6010	0V	—	0V
Q1005	—	26.7V	19.8V	Q6011	—	—	0V
Q1006	21V	26.7V	—	Q6012	2.9V	—	0V
Q1007	—	—	0V	Q6013	3V	—	0V
Q1008	12.8V	16.8V	12.8V	Q6014	2.9V	—	0V
Q1009	—	19.8V	16.8V	Q6015	—	16.5V	0V
Q1010	18V	19.8V	—	Q6016	—	0V	0V
Q1011	—	0V	0V	Q6017	—	0V	0V
Q1012	0V	3.7V	0V	Q6018	—	0V	16.8V
Q1013	3.7V	0V	0V	Q6019	—	0V	16.8V
Q1034	—	26.5V	POWER OFF 3.7V POWER ON 0V	Q6020	—	0V	16.8V
Q2001	—	1.3V	—	Q6021	—	16.8V	16.8V
Q2002	—	—	—	Q6022	—	0V	—
Q2003	1.3V	8V	6.7V	Q6023	—	—	16.8V
Q2004	—	—	—	Q6024	—	'A' DECK PLAY	—
Q2005	—	0V	—	Q6025	—	'B' DECK PLAY	16.8V
Q2006	—	0V	—	Q6026	—	POWER OFF 4.8V POWER ON 0V	—
Q2007	—	0V	—	Q6027	—	—	16.8V
Q2008	—	0V	—	Q6028	—	—	0V
Q2009	—	0V	—	Q6029	—	—	5V
Q2010	—	0V	—	Q6030	—	—	5V
Q2011	—	0V	—	Q6031	—	—	0V
Q2012	—	0V	—	Q6032	—	—	0V
Q2013	—	12.8V	12.8V	Q6033	—	—	0V
Q2014	—	DUBx2/CrO2 METAL 12.8V	12.8V	Q6034	—	—	0V
Q2015	—	CrO2, METAL 12.8V	12.8V	Q6035	—	—	0V
Q2016	—	12.8V	12.8V	Q6036	—	—	0V
Q2101	—	—	—	Q6037	—	—	0V
Q2102	—	—	—	Q6038	—	—	0V
Q2103	—	—	—	Q6039	—	—	0V
Q2104	—	—	—	Q6040	—	—	0V
Q2105	—	0V	—	Q6041	—	—	0V
Q2106	—	0V	—	Q6042	—	—	0V
Q2107	—	0V	—	Q6043	—	—	0V
Q2108	—	0V	—	Q6044	—	—	0V
Q2109	—	0V	—	Q6045	—	—	0V
Q2110	—	0V	—	Q6046	—	—	0V
Q2111	—	0V	—	Q6047	—	—	0V
Q2112	—	0V	—	Q6048	—	—	0V
Q2113	—	—	12.8V	Q6049	—	—	0V
Q2114	—	CrO2, METAL 12.8V	12.8V	Q6050	—	—	0V
Q2115	—	12.8V	12.8V	Q6051	—	—	0V
Q2116	—	REC 12.8V	—	Q6052	—	—	0V
Q2117	—	12V	12.8V	Q6053	—	—	0V
Q2118	—	—	0V	Q6054	—	—	0V
Q2121	—	—	—	Q6055	—	—	0V
Q2122	—	—	—	Q6056	—	—	0V
Q2123	—	—	—	Q6057	—	—	0V
Q2124	—	—	—	Q6058	—	—	0V
Q3001	13.8V	16.8V	13.2V	Q6059	—	—	0V
Q3002	8.4V	—	0V	Q6060	—	—	0V
Q3003	—	—	0V	Q6061	—	—	0V
Q3101	—	0V	—	Q6062	—	—	0V
Q3102	—	0V	—	Q6063	—	—	0V
Q3103	—	0V	—	Q6064	—	—	0V
Q4001	—	10.5V	3V	Q6065	—	—	0V
Q4002	—	—	—	Q6066	—	—	0V
Q4003	—	—	—	Q6067	—	—	0V
Q4004	—	—	—	Q6068	—	—	0V
Q4005	—	—	—	Q6069	—	—	0V
Q4006	STOP 0V DUB 16V	—	0V	Q6070	—	—	0V
Q4007	—	—	—	Q6071	—	—	0V
Q4008	—	—	—	Q6072	—	—	0V
Q4009	—	—	—	Q6073	—	—	0V
Q4010	DOLBY SW OFF 0.3V B 9V C 5.3V	—	0V	Q6074	—	—	0V
Q4011	'A' DECK PLAY 16.7V	—	0V	Q6075	—	—	0V
Q4012	'B' DECK PLAY 0V	—	0V	Q6076	—	—	0V
Q4013	'A' DECK PLAY 16.7V 'B' DECK PLAY 0V	—	0V	Q6077	—	—	0V
Q5031	—	0V	—	Q6078	—	—	0V
Q5032	—	0V	—	Q6079	—	—	0V
Q5033	—	0V	—	Q6080	—	—	0V
Q5034	—	0V	—	Q6081	—	—	0V
Q5035	—	0V	—	Q6082	—	—	0V
Q5036	—	0V	—	Q6083	—	—	0V
Q5037	—	9.5V	9.5V	Q6084	—	—	0V
Q5051	—	0V	—	Q6085	—	—	0V
Q5052	—	19.8V	REC 19.8V	Q6086	—	—	0V
Q5071	—	—	—	Q6087	—	—	0V
Q5072	—	—	—	Q6088	—	—	0V
Q5073	—	—	—	Q6089	—	—	0V
Q5074	—	—	—	Q6090	—	—	0V
Q5075	—	—	—	Q6091	—	—	0V
Q5076	—	—	—	Q6092	—	—	0V
Q5101	—	13V	—	Q6093	—	—	0V
Q5102	—	13V	—	Q6094	—	—	0V
Q5121	—	19.8V	REC 13V	Q6095	—	—	0V
Q5122	—	—	—	Q6096	—	—	0V
Q5123	—	—	—	Q6097	—	—	0V
Q5201	—	—	—	Q6098	—	—	0V
Q5202	—	—	—	Q6099	—	—	0V
Q5203	—	—	—	Q6100	—	—	0V
Q5204	—	—	—	Q6101	—	—	0V
Q5205	—	—	—	Q6102	—	—	0V
Q5206	—	—	—	Q6103	—	—	0V
Q5207	—	—	—	Q6104	—	—	0V
Q5208	—	—	—	Q6105	—	—	0V
Q5209	—	—	—	Q6106	—	—	0V
Q5210	—	—	—	Q6107	—	—	0V
Q5211	—	—	—	Q6108	—	—	0V
Q5212	—	—	—	Q6109	—	—	0V
Q6001	0V	—	0V	Q6110	—	—	0V
Q6002	0V	—	0V	Q6111	—	—	0V
Q6003	2.8V	—	0V	Q6112	—	—	0V
Q6004	0V	—	0V	Q6113	—	—	0V
Q6005	2.9V	—	0V	Q6114	—	—	0V
Q6006	2.9V	—	0V	Q6115	—	—	0V

IC6001				IC5001				IC4001/IC4002			
1	0V	33	—	1	8.5V	—	—	1	—	—	—
2	0V	34	3.3V	2	8.2V	—	—	2	—	—	—
3	0V	35	3.3V	3	8.2V	—	—	3	—	—	—
4	2.9V	36	3.3V	4	0V	—	—	4	—	—	—
5	5V	37	1.2V	5	—	—	—	5	—	—	—
6	5V	38	0V	6	—	—	—	6	—	—	—
7	0V	39	0V	7	—	—	—	7	—	—	—
8	2.9V	40	2.4V	8	16.8V	—	—	8	0V	0V	—
9	5V	41	4.2V	9	—	—	—	9	—	—	—
10	5V	42	4V	10	—	—	—	10	—	—	—
11	0V	43	4V	11	—	—	—	11	—	—	—
12	0V	44	3.9V	12	—	—	—	12	—	—	—
13	2.8V	45	5V	13	—	—	—	13	—	—	—
14	0V	46	5V	14	—	—	—	14	16.8V	16.8V	—
15	2.9V	47	4.2V	15	—	—	—	15	—	—	—
16	2.9V	48	5V	16	—	—	—	16	—	—	—
17	2.9V	49	4.9V	17	—	—	—	17	—	—	—
18	3.7V	50	2.3V	18	—	—	—	18	—	—	—
19	5V	51	2.5V	19	—	—	—	19	—	—	—
20	4.2V	52	0V	20	—	—	—	20	—	—	—
21	0V	53	0V	21	—	—	—	21	—	—	—
22	0V	54	0V	22	—	—	—	22	—	—	—
23	0V	55	5V	23	—	—	—	23	—	—	—
24	0V	56	5V	24	—	—	—	24	—	—	—
25	0V	57	4.2V	25	—	—	—	25	—	—	—
26	0V	58	4.2V	26	—	—	—	26	—	—	—
27	3.7V	59	4.2V	27	—	—	—	27	—	—	—
28	2.9V	60	3.75V	28	—	—	—	28	—	—	—
29	3V	61	3.9V	29	—	—	—	29	—	—	—
30	2.9V	62	3.7V	30	—	—	—	30	—	—	—
31	0V	63	3.75V	31	—	—	—	31	—	—	—
32	0V	64	5V	32	—	—	—	32	—	—	—

1

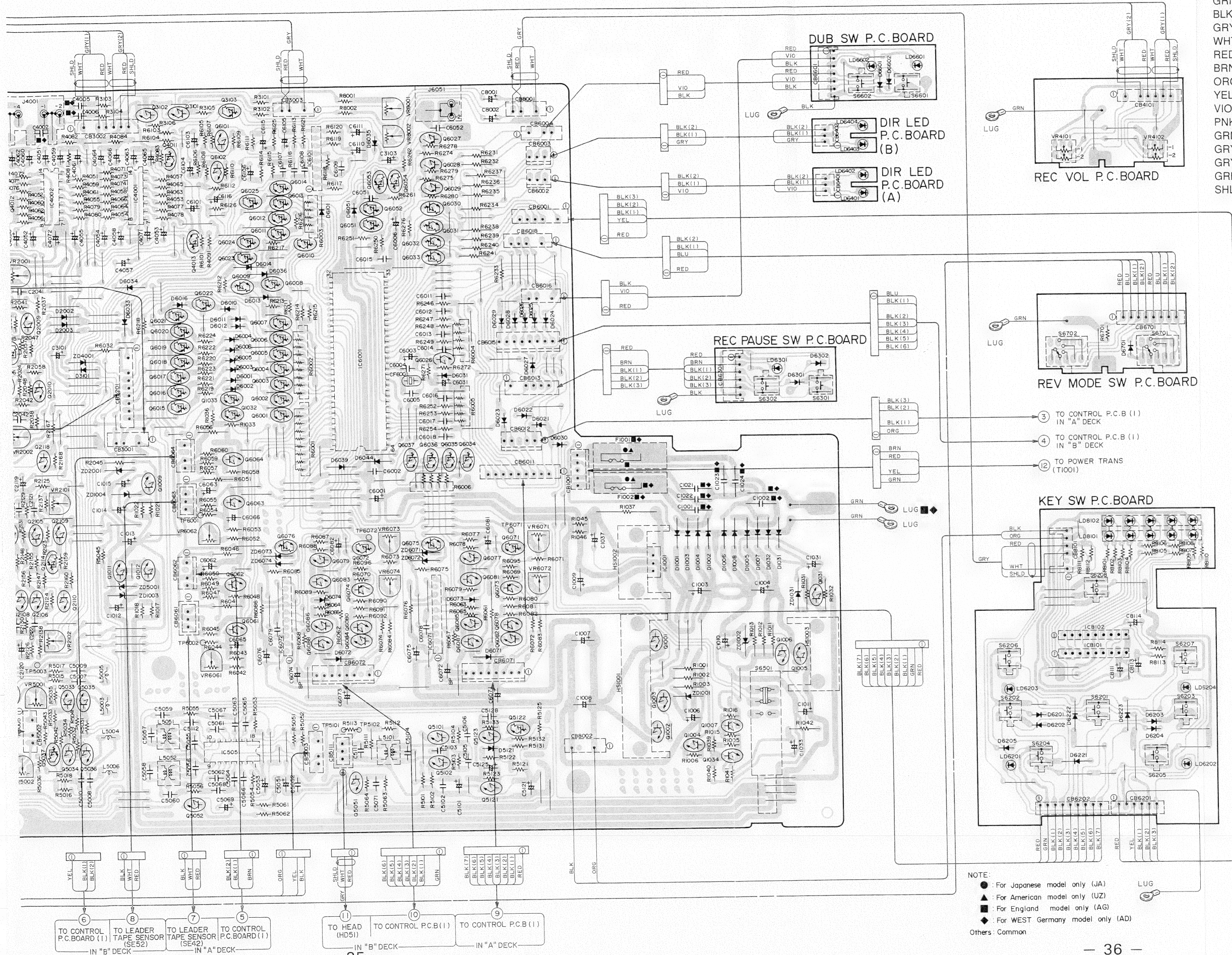


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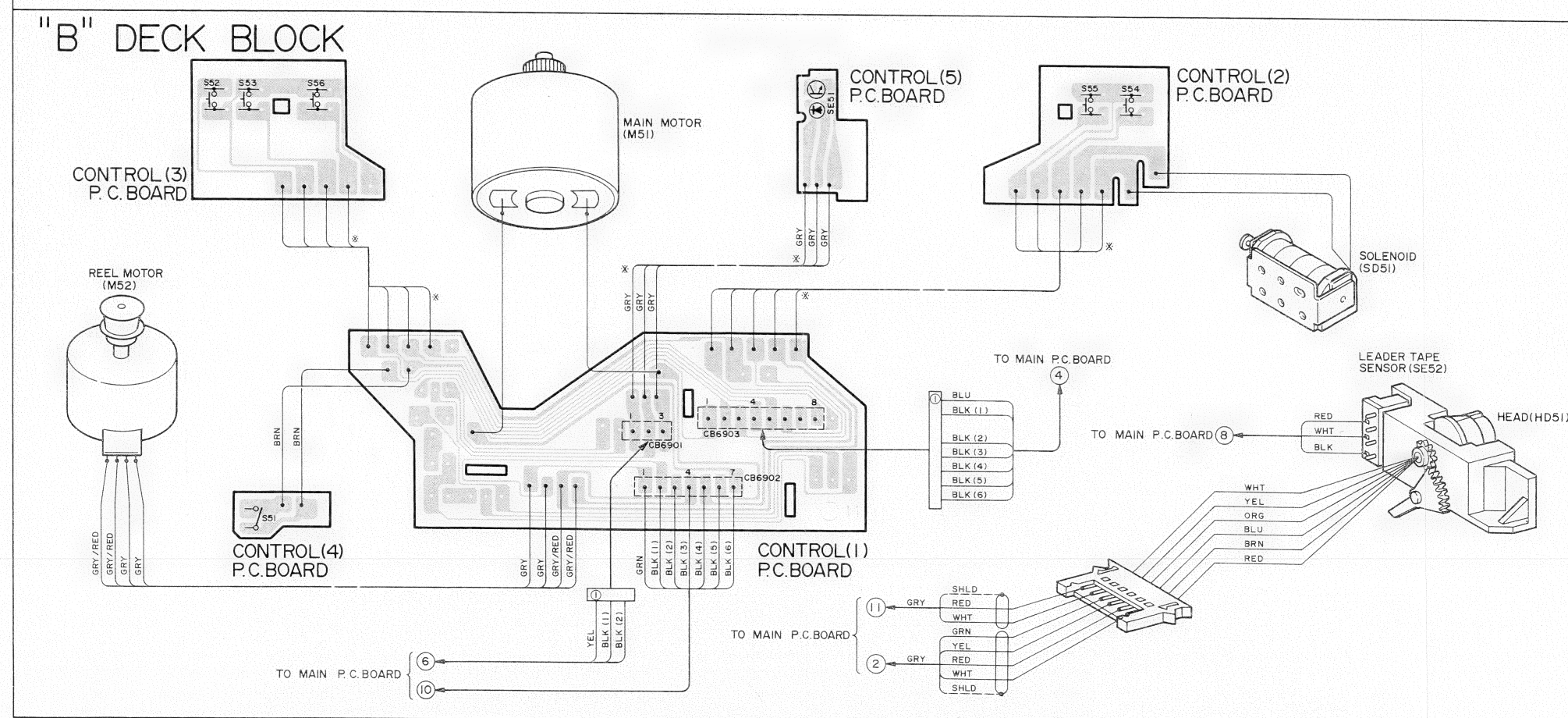
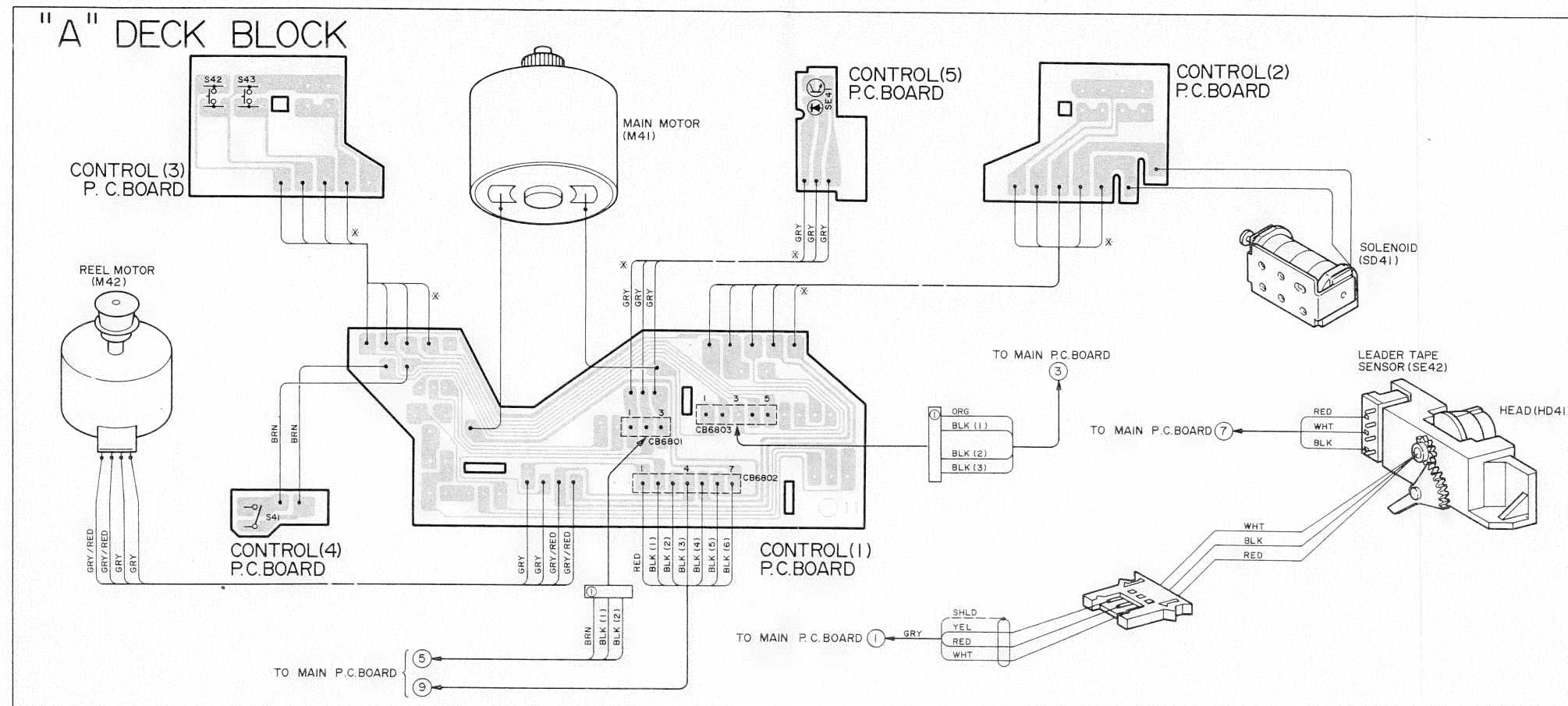
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5

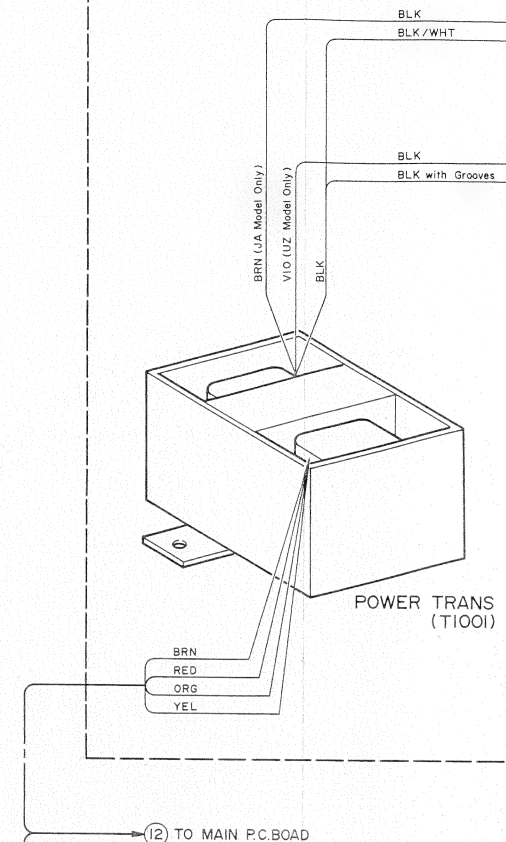
BLU	Blue
GRN	Green
BLK	Black
GRY	Gray
WHT	White
RED	Red
BRN	Brown
ORG	Orange
YEL	Yellow
VIO	Violet
PNK	Pink
GRN/WHT	Green/White
GRY/WHT	Gray/White
GRY/YEL	Gray/Yellow
GRN/YEL	Green/Yellow
SHLD	Shield



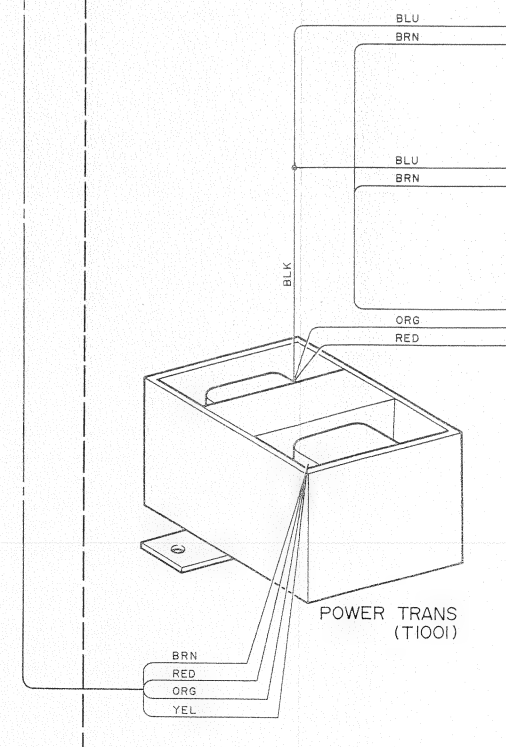
Parts Layout on P. C. Boards and Wiring Diagram (2/2)



(JA /UZ MODEL ONLY)



(AD /AG MODEL ONLY)



G

Electrical Parts List

Resistor: Carbon resistors under 1/8 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor: μ F=microfarads, pF=picofarads

Abbreviations				
CAP.-Capacitor		CER.-Ceramic		
ELY.-Electrolytic		LED.-Light Emitting Diode		
MIC.-Mica		MO.-Metal Oxide Film		
MYL.-Mylar		PP.-Polypropylene		
SOL.-Solid		TAN.-Tantalum		
ZEN.-Zener				
Symbol No.	Part No.	Description		
Main P.C. Board				
IC's				
IC4001	51T47739F01	TC4066BP		
IC4002	51T47739F01	TC4066BP		
IC5001	51T80136F01	M5238P		
IC5051	51T72929F01	μ PC1297CA		
IC6001	51T96291F01	96291F01		
IC6071	51T70536F01	BA6229		
IC6072	51T70536F01	BA6229		
IC6101	51T67915F01	M51143AL		
Transistors				
Q1003	48T81101F01	2SC1815		
Q1004	48T81101F02	2SC1815		
Q1006	48T81101F01	2SC1815		
Q1007	48T81101F02	2SC1815		
Q1009	48T81101F01	2SC1815		
Q1011	48T43015U01	2SC2120		
Q1012	48T81101F01	2SC1815		
Q1031	48T81101F02	2SC1815		
Q1032	48T81715F12	DTC114Y		
Q1033	48T81715F12	DTC114Y		
Q1034	48T81101F01	2SC1815		
Q2001	48T95079F01	2SC1843		
Q2002	48T95079F01	2SC1843		
Q2003	48T95079F01	2SC1843		
Q2004	48T95079F01	2SC1843		
Q2005	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2006	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2007	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2008	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2009	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2010	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2011	48T81101F01	2SC1815		
Q2012	48T81101F01	2SC1815		
Q2013	48T81715F03	DTA124E		
Q2014	48T81715F03	DTA124E		
Q2015	48T81715F03	DTA124E		
Q2016	48T81715F03	DTA124E		
Q2101	48T95079F01	2SC1843		
Q2102	48T95079F01	2SC1843		
Q2103	48T95079F01	2SC1843		
Q2104	48T95079F01	2SC1843		
Q2105	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2106	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2107	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2108	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2109	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2110	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2111	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2112	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q2113	48T81102F01	2SA1015		
Q2114	48T81715F03	DTA124E		
Q2115	48T81715F03	DTA124E		
Q2116	48T81715F20	DTC124X		
Q2117	48T42941U01	2SA921		
Q2118	48T81101F01	2SC1815		
Q2121	48S43394P01	2SC1890		
Q2122	48S43394P01	2SC1890		
Q2123	48S43394P01	2SC1890		
Q2124	48S43394P01	2SC1890		
Q3101	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
Q3102	48T57305F04	2SD1302			Q6009	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6010	48T81715F12	DTC114Y		
Q3103	48T81715F03	DTA124E			Q6011	48T81715F12	DTC114Y		
Q4001	48T95079F01	2SC1843			Q6012	48T81715F12	DTC114Y		
Q4002	48T95079F01	2SC1843			Q6013	48T81715F12	DTC114Y		
Q4003	48T57305F04	2SD1302			Q6014	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6015	48T81715F03	DTA124E		
Q4004	48T57305F04	2SD1302			Q6016	48T81715F03	DTA124E		
or	48T90183F04	2SD1996			Q6017	48T81715F03	DTA124E		
Q4005	48T81715F03	DTA124E			Q6018	48T81715F03	DTA124E		
Q4006	48T81715F20	DTC124X			Q6019	48T81715F03	DTA124E		
Q4007	48T81101F01	2SC1815			Q6020	48T81715F03	DTA124E		
Q4008	48T81101F01	2SC1815			Q6021	48T81715F03	DTA124E		
Q4009	48T81715F03	DTA124E			Q6022	48T81715F03	DTA124E		
Q4010	48T81715F20	DTC124X			Q6023	48T81715F03	DTA124E		
Q4011	48T81715F20	DTC124X			Q6024	48T81715F03	DTA124E		
Q4012	48T81715F20	DTC124X			Q6025	48T81715F03	DTA124E		
Q4013	48T81715F20	DTC124X			Q6026	48T81101F02	2SC1815		
Q5031	48T57305F04	2SD1302			Q6027	48T81102F01	2SA1015		
or	48T90183F04	2SD1996			Q6028	48T81102F01	2SA1015		
Q5032	48T57305F04	2SD1302			Q6029	48T81102F01	2SA1015		
or	48T90183F04	2SD1996			Q6030	48T81715F12	DTC114Y		
Q5033	48T57305F04	2SD1302			Q6031	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6032	48T81715F12	DTC114Y		
Q5034	48T57305F04	2SD1302			Q6033	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6034	48T81715F12	DTC114Y		
Q5035	48T57305F04	2SD1302			Q6035	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6036	48T81715F12	DTC114Y		
Q5036	48T57305F04	2SD1302			Q6037	48T81715F12	DTC114Y		
or	48T90183F04	2SD1996			Q6051	48T81715F07	DTA143E		
Q5037	48T81715F03	DTA124E			Q6052	48T81715F12	DTC114Y		
Q5051	48T81101F01	2SC1815			Q6053	48T81715F03	DTA124E		
Q5052	48T43015U01	2SC2120			Q6054	48T81715F12	DTC114Y		
Q5101	48S40832F03	2SC1318NC			Q6061	48T81101F01	2SC1815		
Q5102	48S40832F03	2SC1318NC			Q6062	48T81101F01	2SC1815		
Q5121	48T43015U01	2SC2120			Q6063	48T81101F01	2SC1815		
Q5122	48T81715F20	DTC124X			Q6064	48T81101F01	2SC1815		
Q5123	48T81101F01	2SC1815			Q6071	48T81715F12	DTC114Y		
Q6001	48T81715F12	DTC114Y			Q6072	48T81715F12	DTC114Y		
Q6002	48T81715F12	DTC114Y			Q6073	48T81102F01	2SA1015		
Q6003	48T81715F12	DTC114Y			Q6074	48T81102F01	2SA1015		
Q6004	48T81715F12	DTC114Y			Q6075	48T81715F12	DTC114Y		
Q6005	48T81715F12	DTC114Y			Q6076	48T81715F12	DTC114Y		
Q6006	48T81715F12	DTC114Y			Q6077	48T81101F01	2SC1815		
Q6007	48T81715F12	DTC114Y			Q6078	48T81101F01	2SC1815		
Q6008	48T81715F12	DTC114Y							

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
Q6079	48T81101F01	2SC1815			D6022	48T44813F01	MA165TA		
Q6080	48T81101F01	2SC1815			D6023	48T44813F01	MA165TA		
Q6081	48T43015U01	2SC2120			D6024	48T44813F01	MA165TA		
Q6082	48T43015U01	2SC2120			D6025	48T44813F01	MA165TA		
Q6083	48T43015U01	2SC2120			D6026	48T44813F01	MA165TA		
Q6084	48T43015U01	2SC2120			D6027	48T44813F01	MA165TA		
Q6085	48T81101F01	2SC1815			D6028	48T44813F01	MA165TA		
Q6086	48T81101F01	2SC1815			D6029	48T44813F01	MA165TA		
Q6087	48T43015U01	2SC2120			D6030	48T44813F01	MA165TA		
Q6088	48T43015U01	2SC2120			D6031	48T44813F01	MA165TA		
Q6101	48T81101F01	2SC1815			D6033	48T43189F01	1S1555		
Q6102	48T81101F01	2SC1815			D6034	48T43189F01	1S1555		
Diodes					D6035	48T44813F01	MA165TA		
D1001	48S40477U01	1N4003			D6036	48T43189F01	1S1555		
D1002	48S40477U01	1N4003			D6039	48T43189F01	1S1555		
D1003	48S40477U01	1N4003			D6044	48T43189F01	1S1555		
D1004	48S40477U01	1N4003			D6051	48T44813F01	MA165TA		
D1005	48S40477U01	1N4003			D6071	48S40477U01	1N4003		
D1006	48S40477U01	1N4003			D6072	48S40477U01	1N4003		
D1007	48S40477U01	1N4003			D6073	48T44813F01	MA165TA		
D1008	48S40477U01	1N4003			D6074	48T44813F01	MA165TA		
D1031	48S40477U01	1N4003			D6101	48T43189F01	1S1555		
D1032	48S40477U01	1N4003			ZD1001	48T52741F41	ZEN. HZ12B-2L		
D2001	48T44813F01	MA165TA			ZD1002	48T52741F57	ZEN. HZ20-3L		
D2002	48T43189F01	1S1555			ZD1003	48T52739F83	ZEN. HZ18-2		
D2003	48T43189F01	1S1555			ZD1004	48T52739F74	ZEN. HZ12B-2		
D2121	48T73079F02	1SS82			ZD1031	48T52739F82	ZEN. HZ18-1		
D2122	48T73079F02	1SS82			ZD2001	48T52739F73	ZEN. HZ12B-1		
D3101	48T43189F01	1S1555			ZD4001	48T52739F07	ZEN. HZ3A-1		
D5121	48T44813F01	MA165TA			ZD5001	48T52739F59	ZEN. HZ9C-2		
D6001	48T44813F01	MA165TA			ZD6071	48T52739F27	ZEN. HZ5A-3		
D6002	48T44813F01	MA165TA			ZD6072	48T52739F50	ZEN. HZ7C-2		
D6003	48T44813F01	MA165TA			ZD6073	48T52739F27	ZEN. HZ5A-3		
D6004	48T44813F01	MA165TA			ZD6074	48T52739F50	ZEN. HZ7C-2		
D6005	48T44813F01	MA165TA			Capacitors				
D6006	48T44813F01	MA165TA			■ C1001	21T68834F01	CER.	0.01 μ F	
D6010	48T44813F01	MA165TA			◆ C1001	21T68834F01	CER.	0.01 μ F	
D6011	48T44813F01	MA165TA			■ C1002	21T68834F01	CER.	0.01 μ F	
D6012	48T44813F01	MA165TA			◆ C1002	21T68834F01	CER.	0.01 μ F	
D6013	48T43189F01	1S1555			C1003	23T00134L47	ELY.	2200 μ F/25V	
D6014	48T43189F01	1S1555			C1004	23T00134L61	ELY.	3300 μ F/35V	
D6016	48T44813F01	MA165TA			C1006	23T00134L45	ELY.	470 μ F/25V	
D6021	48T44813F01	MA165TA			C1007	23T00135L32	ELY.	6800 μ F/16V	
					C1008	23T00135L32	ELY.	6800 μ F/16V	
					C1009	23T00134L25	ELY.	6800 μ F/10V	

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Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
	C1010	23T00149L37	ELY.	220 μ F/25V		C2025	08S65480F61	CER.	0.01 μ F
	C1011	23T00149L37	ELY.	220 μ F/25V		C2026	08S65480F61	CER.	0.01 μ F
	C1012	23T00149L35	ELY.	47 μ F/25V		C2041	08T57705F66	MYL.	8200pF
	C1013	23T00149L37	ELY.	220 μ F/25V		C2042	08T57705F66	MYL.	8200pF
	C1014	23T00149L36	ELY.	100 μ F/25V		C2101	23T00138L26	ELY.	4.7 μ F/25V
	C1015	23T00149L35	ELY.	47 μ F/25V		C2103	23T00149L32	ELY.	10 μ F/25V
◆	C1021	21T68834F01	CER.	0.01 μ F		C2104	23T00149L32	ELY.	10 μ F/25V
■	C1021	21T68834F01	CER.	0.01 μ F		C2105	08T57705F55	MYL.	1000pF
◆	C1022	21T68834F01	CER.	0.01 μ F		C2106	08T57705F55	MYL.	1000pF
■	C1022	21T68834F01	CER.	0.01 μ F		C2107	08T52714F17	CER.	0.022 μ F
◆	C1023	21T68834F01	CER.	0.01 μ F		C2108	08T52714F17	CER.	0.022 μ F
■	C1023	21T68834F01	CER.	0.01 μ F		C2109	23T42478F09	ELY.	4.7 μ F/25V
◆	C1024	21T68834F01	CER.	0.01 μ F		C2110	23T42478F09	ELY.	4.7 μ F/25V
■	C1024	21T68834F01	CER.	0.01 μ F	●	C2111	08S40805F01	CER.	100pF
	C1031	23T00149L51	ELY.	0.47 μ F/50V	▲	C2111	08S40805F01	CER.	100pF
	C1033	23T00149L32	ELY.	10 μ F/25V	■	C2111	08S40805F05	CER.	470pF
	C1037	23T00149L32	ELY.	10 μ F/25V	◆	C2111	08S40805F05	CER.	470pF
	C2001	23T00149L32	ELY.	10 μ F/25V	●	C2112	08S40805F01	CER.	100pF
	C2002	23T00149L32	ELY.	10 μ F/25V	▲	C2112	08S40805F01	CER.	100pF
	C2003	23T00138L26	ELY.	4.7 μ F/25V	■	C2112	08S40805F05	CER.	470pF
	C2005	23T42478F09	ELY.	4.7 μ F/25V	◆	C2112	08S40805F05	CER.	470pF
	C2006	23T42478F09	ELY.	4.7 μ F/25V		C2113	08T61940F27	CER.	47pF
	C2007	08S40805F02	CER.	150pF		C2114	08T61940F27	CER.	47pF
	C2008	08S40805F02	CER.	150pF		C2115	23T00149L36	ELY.	100 μ F/25V
	C2009	08T57705F54	MYL.	820pF		C2116	23T00149L36	ELY.	100 μ F/25V
	C2010	08T57705F54	MYL.	820pF		C2117	08T57705F61	MYL.	3300pF
●	C2011	23T74436F29	TAN.	3.3 μ F/16V		C2118	08T57705F61	MYL.	3300pF
▲	C2013	08S40805F01	CER.	100pF		C2119	23T00180L12	ELY.	22 μ F/25V
■	C2013	08S40805F01	CER.	100pF		C2120	23T00180L12	ELY.	22 μ F/25V
■	C2013	08S40805F05	CER.	470pF		C2121	08T42629F69	MYL.	0.015 μ F
◆	C2013	08S40805F05	CER.	470pF		C2122	08T57705F69	MYL.	0.015 μ F
●	C2014	08S40805F01	CER.	100pF		C2123	08T57705F67	MYL.	0.01 μ F
▲	C2024	08S40805F01	CER.	100pF		C2124	08T57705F67	MYL.	0.01 μ F
■	C2014	08S40805F05	CER.	470pF		C2161	08S40805F01	CER.	100pF
◆	C2014	08S40805F05	CER.	470pF		C3101	23T00149L37	ELY.	220 μ F/25V
	C2015	08T61940F27	CER.	47pF		C3103	23T00149L52	ELY.	1 μ F/50V
	C2016	08T61940F27	CER.	47pF		C4001	08T52714F17	CER.	0.022 μ F
	C2017	23T00149L36	ELY.	100 μ F/25V	■	C4002	08S52714F17	CER.	0.022 μ F
	C2018	23T00149L36	ELY.	100 μ F/25V	◆	C4002	08S52714F17	CER.	0.022 μ F
	C2019	08T57705F61	MYL.	3300pF	■	C4003	08S40805F02	CER.	150pF
	C2020	08T57705F61	MYL.	3300pF	◆	C4003	08S40805F02	CER.	150pF
	C2021	23T00180L12	ELY.	22 μ F/25V	■	C4004	08S40805F02	CER.	150pF
	C2022	23T00180L12	ELY.	22 μ F/25V	◆	C4004	08S40805F02	CER.	150pF
	C2023	08T57705F69	MYL.	0.015 μ F	■	C4005	08S40805F05	CER.	470pF
	C2024	08T57705F69	MYL.	0.015 μ F	◆	C4005	08S40805F05	CER.	470pF

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Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
■	C4008	08S40805F05	CER.	470pF		C5017	08T57705F51	MYL.	470pF
◆	C4006	08S40805F05	CER.	470pF		C5018	08T57705F51	MYL.	470pF
	C4011	23T00138L26	ELY.	4.7 μ F/25V		C5051	23T00149L32	ELY.	10 μ F/25V
	C4013	23T00149L32	ELY.	10 μ F/25V		C5052	08T52714F17	CER.	0.022 μ F
	C4014	23T00149L32	ELY.	10 μ F/25V		C5053	23T00149L32	ELY.	10 μ F/25V
	C4015	23T00138L26	ELY.	4.7 μ F/25V		C5055	08T90316F25	TF.	0.047 μ F
	C4016	23T00138L26	ELY.	4.7 μ F/25V		C5056	08T90316F25	TF.	0.047 μ F
	C4017	23T00149L32	ELY.	10 μ F/25V		C5057	08S40805F05	CER.	470pF
	C4018	23T00149L32	ELY.	10 μ F/25V		C5058	08S40805F05	CER.	470pF
	C4019	08T57705F60	MYL.	2700pF		C5059	08S40805F04	CER.	330pF
	C4020	08T57705F60	MYL.	2700pF		C5060	08S40805F04	CER.	330pF
	C4023	08T57705F60	MYL.	2700pF		C5061	08T90316F29	TF.	0.1 μ F
	C4024	08T57705F60	MYL.	2700pF		C5062	08T90316F29	TF.	0.1 μ F
	C4051	23T00149L32	ELY.	10 μ F/25V		C5063	08T57705F71	MYL.	0.022 μ F
	C4052	23T00149L32	ELY.	10 μ F/25V		C5064	08T57705F71	MYL.	0.022 μ F
	C4053	23T00149L32	ELY.	10 μ F/25V		C5065	08T57705F67	MYL.	0.01 μ F
	C4054	23T00149L32	ELY.	10 μ F/25V		C5066	08T57705F67	MYL.	0.01 μ F
	C4055	23T00149L32	ELY.	10 μ F/25V		C5067	21S40655F31	CER.	560pF
	C4056	23T00149L32	ELY.	10 μ F/25V		C5068	21S40655F31	CER.	560pF
	C4057	23T00149L32	ELY.	10 μ F/25V		C5069	23T00149L32	ELY.	10 μ F/25V
	C4058	23T00149L32	ELY.	10 μ F/25V		C5071	08T52714F17	CER.	0.022 μ F
	C4059	23T00149L32	ELY.	10 μ F/25V		C5101	23T00138L46	ELY.	2.2 μ F/50V
	C4060	23T00149L32	ELY.	10 μ F/25V		C5102	08T52714F17	CER.	0.022 μ F
	C4061	23T00149L32	ELY.	10 μ F/25V		C5103	08T52448F33	PP.	6800pF
	C4062	23T00149L32	ELY.	10 μ F/25V		C5104	08T52448F41	PP.	0.015 μ F
	C4063	23T00149L32	ELY.	10 μ F/25V		C5105	08T52448F25	PP.	3300pF
	C4064	23T00149L32	ELY.	10 μ F/25V		C5106	08T52448F25	PP.	3300pF
	C4065	23T00149L32	ELY.	10 μ F/25V		C5111	08T52448F33	PP.	6800pF
	C4066	23T00149L32	ELY.	10 μ F/25V		C5112	21S40655F11	CER.	10pF
	C4071	23T00149L33	ELY.	22 μ F/25V		C5121	23T74436F41	TAN.	10 μ F/25V
	C4072	23T00149L33	ELY.	22 μ F/25V		C5125	23T00149L33	ELY.	22 μ F/25V
	C5001	23T00138L26	ELY.	4.7 μ F/25V		C5128	08T52714F17	CER.	0.022 μ F
	C5002	08T52714F17	CER.	0.022 μ F		C6001	23T00149L16	ELY.	470 μ F/10V
	C5005	23T00149L32	ELY.	10 μ F/25V		C6002	08T52714F17	CER.	0.022 μ F
	C5006	23T00149L32	ELY.	10 μ F/25V		C6003	23T00149L51	ELY.	0.47 μ F/50V
	C5007	08T57705F67	MYL.	0.01 μ F		C6004	08T61940F22	CER.	30pF
	C5008	08T57705F67	MYL.	0.01 μ F		C6005	08T61940F22	CER.	30pF
	C5009	08T57705F63	MYL.	4700pF		C6006	23T00149L32	ELY.	10 μ F/25V
	C5010	08T57705F63	MYL.	4700pF		C6011	08S65480F37	CER.	100pF
	C5011	23T00149L33	ELY.	22 μ F/25V		C6012	08S65480F37	CER.	100pF
	C5012	23T00149L33	ELY.	22 μ F/25V		C6013	08S65480F37	CER.	100pF
	C5013	08T57705F73	MYL.	0.033 μ F		C6014	08S65480F37	CER.	100pF
	C5014	08T57705F73	MYL.	0.033 μ F		C6015	08S65480F37	CER.	100pF
	C5015	23T00149L32	ELY.	10 μ F/25V		C6016	08S65480F37	CER.	100pF
	C5016	23T00149L32	ELY.	10 μ F/25V		C6017	08S65480F37	CER.	100pF

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Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
■	C6018	08S65480F37	CER.	100pF		R6088	08T92264F01	MF. 10ohm-2W	
◆	C6031	23T00149L32	ELY.	10 μ F/25V		VR2001	18T15356W15	Volume. RH0634C 22Kohm	
	C6051	08S65480F37	CER.	100pF		VR2002	18T15356W15	Volume. RH0634C 22Kohm	
	C6052	08S52714F17	CER.	0.022 μ F		VR2101	18T15356W15	Volume. RH0634C 22Kohm	
	C6052	08S52714F17	CER.	0.022 μ F		VR2102	18T15356W15	Volume. RH0634C 22Kohm	
	C6062	23T00149L33	ELY.	22 μ F/25V		VR5001	18T15356W17	Volume. RH0634C 47Kohm	
	C6063	23T00149L33	ELY.	22 μ F/25V		VR5002	18T15356W17	Volume. RH0634C 47Kohm	
	C6065	23T00149L51	ELY.	0.47 μ F/50V		VR6061	18T15356W13	Volume. RH0634C 10Kohm	
	C6066	23T00149L51	ELY.	0.47 μ F/50V		VR6062	18T15356W13	Volume. RH0634C 10Kohm	
	C6071	23T00149L32	ELY.	10 μ F/25V		VR6071	18T15355W12	Volume. RH0644C 6.8Kohm	
	C6072	23T00140L37	ELY.	(BP) 2.2 μ F/50V		VR6072	18T15355W11	Volume. RH0644C 4.7Kohm	
	C6073	23T00149L32	ELY.	10 μ F/25V		VR6073	18T15355W12	Volume. RH0644C 6.8Kohm	
	C6074	23T00140L37	ELY.	(BP) 2.2 μ F/50V		VR6074	18T15355W11	Volume. RH0644C 4.7Kohm	
	C6075	23T00149L35	ELY.	47 μ F/25V		VR8001	18T15356W17	Volume. RH0634C 47Kohm	
	C6076	23T00149L35	ELY.	47 μ F/25V		VR8002	18T15356W17	Volume. RH0634C 47Kohm	
	C6078	08T52714F13	CER.	0.01 μ F		Coils/Filter			
	C6079	08T52714F13	CER.	0.01 μ F		L5003	24T81850F08	Inductor 3.9mH	
	C6081	23T00149L35	ELY.	47 μ F/25V		L5004	24T81850F08	Inductor 3.9mH	
	C6082	23T00149L35	ELY.	47 μ F/25V		L5005	24T81850F01	Inductor 1mH	
	C6101	23T00149L35	ELY.	47 μ F/25V		L5006	24T81850F01	Inductor 1mH	
	C6103	23T00149L32	ELY.	10 μ F/25V		L5051	24T72930F01	Coil. HX	
	C6104	23T00149L32	ELY.	10 μ F/25V		L5052	24T72930F01	Coil. HX	
	C6105	23T00149L32	ELY.	10 μ F/25V		L5101	24T70526F02	Coil. OSC	
	C6106	23T00149L32	ELY.	10 μ F/25V		LF4001	24T70527F03	Filter.MPX	
	C6107	08T57705F55	MYL.	1000pF		LF4002	24T70527F03	Filter.MPX	
	C6108	08T57705F71	MYL.	0.022 μ F		LF5001	24T70528F01	Filter.Bias	
	C6109	08T90316F29	TF.	0.1 μ F		LF5002	24T70528F01	Filter.Bias	
	C6110	23T00149L52	ELY.	1 μ F/50V		Ceramic Filter			
	C6111	23T00149L35	ELY.	47 μ F/25V		CF6001	91T70534F01	4MHz	
	C6115	23T00149L35	ELY.	47 μ F/25V		Jacks			
	C6116	23T00149L35	ELY.	47 μ F/25V		J4001	09T15454W01	Plate. Phono 4P (LINE IN/OUT)	
	C8001	23T00149L32	ELY.	10 μ F/25V		J6051	09T15461W01	Min.. 2P (BUS LINE)	
	C8002	23T00149L32	ELY.	10 μ F/25V		Switch			
Resistors					S6501	40T15334W01	Push (SPUN) (TIMER)		
	R1037	08T92265F13	MF.	33ohm-3W					
	R8001	08T52333F05	Block 10Kohm x8						
	R8002	08T52333F05	Block 10Kohm x8						
	R6003	08T52333F02	Block 10Kohm x4						
	R6004	08T52333F02	Block 10Kohm x4						
	R6005	08T52333F02	Block 10Kohm x4						
	R6006	08T52333F02	Block 10Kohm x4						
	R6061	08T92265F13	MF.	33ohm-3W					
	R6062	08T92265F13	MF.	33ohm-3W					
	R6076	08T92264F01	MF.	10ohm-2W					

Note: ● : For Japanese Model Only(JA) ▲ : For American Model Only(UZ)
 ◆ : For West Germany Model Only(AD) ■ : For England Model Only(AG) Others : Common

Symbol No.	Part No.	Description		
Dolby P.C. Board				
IC				
IC3001	51T73972F02	HA12088ANT		
Transistors				
Q3001	48T81101F01	2SC1815		
Q3002	48T81715F12	DTC114Y		
Q3003	48T81715F12	DTC114Y		
Q5071	48T81101F01	2SC1815		
Q5072	48T81101F01	2SC1815		
Q5073	48T81101F01	2SC1815		
Q5074	48T81101F01	2SC1815		
Q5075	48T81101F01	2SC1815		
Q5076	48T81101F01	2SC1815		
Q5201	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5202	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5203	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5204	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5205	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5206	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5207	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5208	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5209	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5210	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5211	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Q5212	48T57305F04	2SD1302		
or	48T90183F04	2SD1996		
Diodes				
D3001	48T15817W01	ISS108		
D5071	48T44813F01	MA165TA		
D5072	48T44813F01	MA165TA		
D5073	48T44813F01	MA165TA		
D5074	48T44813F01	MA165TA		

Symbol No.	Part No.	Description		
D5075	48T44813F01	MA165TA		
D5076	48T44813F01	MA165TA		
D5201	48T44813F01	MA165TA		
D5202	48T43189F01	1S1555		
D5203	48T44813F01	MA165TA		
D5204	48T43189F01	1S1555		
D5205	48T44813F01	MA165TA		
D5206	48T43189F01	1S1555		
D5207	48T44813F01	MA165TA		
D5208	48T44813F01	MA165TA		
D5209	48T44813F01	MA165TA		
D5210	48T44813F01	MA165TA		
D5211	48T44813F01	MA165TA		
D5212	48T44813F01	MA165TA		
ZD3001	48T52739F47	ZEN. HZ7B-2		
ZD3002	48T52740F09	ZEN. HZ12C-3		
ZD3003	48T52739F43	ZEN. HZ7A-1		
Coils				
L3001	24T81850F22	Inductor 36mH		
L3002	24T81850F22	Inductor 36mH		
Capacitors				
C3001	23T00181L21	ELY. 1000 μ F/16V		
C3003	23T00149L37	ELY. 220 μ F/25V		
C3004	23T00149L33	ELY. 22 μ F/25V		
C3005	23T00149L25	ELY. 100 μ F/16V		
C3007	23T00149L33	ELY. 22 μ F/25V		
C3011	23T42478F24	ELY. 1 μ F/50V		
C3012	23T42478F24	ELY. 1 μ F/50V		
C3013	23T42478F21	ELY. 0.33 μ F/50V		
C3014	23T42478F21	ELY. 0.33 μ F/50V		
C3015	23T00149L32	ELY. 10 μ F/25V		
C3016	23T00149L32	ELY. 10 μ F/25V		
C3017	23T00138L26	ELY. 4.7 μ F/25V		
C3018	23T00138L26	ELY. 4.7 μ F/25V		
C3019	08T57705F58	MYL. 1800pF		
C3020	08T57705F58	MYL. 1800pF		
C3021	08T57705F67	MYL. 0.01 μ F		
C3022	08T57705F67	MYL. 0.01 μ F		
C3023	23T00149L52	ELY. 1 μ F/50V		
C3024	23T00149L52	ELY. 1 μ F/50V		
C3025	08T57705F70	MYL. 0.018 μ F		

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Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
C3026	08T57705F70	MYL. 0.018 μ F			C5261	23T00149L32	ELY. 10 μ F/25V		
C3027	23T42478F23	ELY. 0.68 μ F/50V			C5262	23T00149L32	ELY. 10 μ F/25V		
C3028	23T42478F23	ELY. 0.68 μ F/50V			C5263	23T00149L32	ELY. 10 μ F/25V		
C3029	23T00149L53	ELY. 2.2 μ F/50V			C5264	23T00149L32	ELY. 10 μ F/25V		
C3030	23T00149L53	ELY. 2.2 μ F/50V			C5267	08T57705F79	MYL. 0.1 μ F		
C3031	08T57705F70	MYL. 0.018 μ F			C5268	08T57705F79	MYL. 0.1 μ F		
C3032	08T57705F70	MYL. 0.018 μ F			Volume				
C3033	08T57705F67	MYL. 0.01 μ F			VR5071	18T15356W12	RH0634C 6.8K ohm		
C3034	08T57705F67	MYL. 0.01 μ F			VR5072	18T15356W12	RH0634C 6.8K ohm		
C3035	08T90316F28	TF. 0.082 μ F			VR5073	18T15356W09	RH0634C 2.2K ohm		
C3036	08T90316F28	TF. 0.082 μ F			VR5074	18T15356W09	RH0634C 2.2K ohm		
C3037	23T42478F23	ELY. 0.68 μ F/50V			VR5075	18T15356W08	RH0634C 1.5K ohm		
C3038	23T42478F23	ELY. 0.68 μ F/50V			VR5076	18T15356W08	RH0634C 1.5K ohm		
C3039	23T00149L53	ELY. 2.2 μ F/50V			Key SW P.C. Board				
C3040	23T00149L53	ELY. 2.2 μ F/50V			IC's				
C3041	23T00138L26	ELY. 4.7 μ F/25V			IC8101	51T51749F01	BA6124		
C3042	23T00138L26	ELY. 4.7 μ F/25V			IC8102	51T51749F01	BA6124		
C3045	23T00149L32	ELY. 10 μ F/25V			Diodes				
C3046	23T00149L32	ELY. 10 μ F/25V			D6201	48T44813F01	MA165TA		
C3047	23T00138L11	ELY. 47 μ F/10V			D6202	48T44813F01	MA165TA		
C3048	23T00138L11	ELY. 47 μ F/10V			D6203	48T44813F01	MA165TA		
◆ C3049	08S40805F05	CER. 470pF			D6204	48T44813F01	MA165TA		
◆ C3049	08S40805F05	CER. 470pF			D6205	48T44813F01	MA165TA		
◆ C3050	08S40805F05	CER. 470pF			D6221	48T43189F01	1S1555		
◆ C3050	08S40805F05	CER. 470pF			D6222	48T43189F01	1S1555		
◆ C3051	08T52714F17	CER. 0.022 μ F			D6223	48T43189F01	1S1555		
◆ C3051	08T52714F17	CER. 0.022 μ F			LED's				
C5201	08T57705F63	MYL. 4700pF			LD6201	48T60488F01	SLR-54DU3 (ORG)		
C5202	08T57705F63	MYL. 4700pF			LD6202	48T60488F01	SLR-54DU3 (ORG)		
C5211	08T57705F63	MYL. 4700pF			LD6203	48T60488F01	SLR-54DU3 (ORG)		
C5212	08T57705F63	MYL. 4700pF			LD6204	48T60488F01	SLR-54DU3 (ORG)		
C5221	08T57705F62	MYL. 3900pF			LD8101	48T56898F02	SLJ-165VR3HL (RED)		
C5222	08T57705F62	MYL. 3900pF			LD8102	48T56898F02	SLJ-165VR3HL (RED)		
C5231	08T57705F60	MYL. 2700pF			Capacito				
C5232	08T57705F60	MYL. 2700pF			C8111	23T00149L32	ELY. 10 μ F/25V		
C5233	08S40805F01	CER. 100pF			C8113	23T00149L32	ELY. 10 μ F/25V		
C5234	08S40805F01	CER. 100pF			C8114	23T00149L32	ELY. 10 μ F/25V		
C5241	08T57705F56	MYL. 1200pF							
C5242	08T57705F56	MYL. 1200pF							
C5243	21S40655F28	CER. 270pF							
C5244	21S40655F28	CER. 270pF							
C5251	08T57705F57	MYL. 1500pF							
C5252	08T57705F57	MYL. 1500pF							
C5253	08S40805F02	CER. 150pF							
C5254	08S40805F02	CER. 150pF							

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Symbol No.	Part No.	Description		
Switches				
S6201	40T83324F15	Tact SKHHPM (□)		
S6202	40T83324F15	Tact SKHHPM (◁▷)		
S6203	40T83324F15	Tact SKHHPM (▷▷)		
S6204	40T83324F15	Tact SKHHPM (◁)		
S6205	40T83324F15	Tact SKHHPM (▷)		
S6206	40T83324F15	Tact SKHHPM (A)		
S6207	40T83324F15	Tact SKHHPM (B)		
S6208	40T83324F15	Tact SKHHPM (POWER)		
Dubbing SW P.C. Board				
Diodes/LED's				
D6601	48T44813F01	MA165TA		
D6602	48T44813F01	MA165TA		
LD6601	48T72160F01	LED.SLR-40VR3F(RED)		
LD6602	48T72160F01	LED.SLR-40VR3F(RED)		
Switches				
S6601	40T83324F15	Tact SKHHPM (DUBx1)		
S6602	40T83324F15	Tact SKHHPM (DUBx2)		
REC Pause SW P.C. Board				
Diodes/LED				
D6301	48T44813F01	MA165TA		
D6302	48T44813F01	MA165TA		
LD6301	48T72160F01	LED.SLR-40VR3F(RED)		
Switches				
S6301	40T83324F15	Tact SKHHPM (REC MUTE)		
S6302	40T83324F15	Tact SKHHPM (REC PAUSE)		
REC Volume P.C. Board				
Volume				
VR4101	18T15338W01	Rot. RK097 50KMN (REC BALANCE)		
VR4102	18T15338W01	Rot. RK097 50KB (REC LEVEL)		

Symbol No.	Part No.	Description		
REV Mode SW P.C. Board				
Diode				
D6701	48T44813F01	MA165TA		
Switches				
S6701	40T15336W01	Rot. SRBM(2-4) (REVERSE MODE)		
S6702	40T15337W01	Rot. SRBM(2-3) (DOLBY NR)		
Miscellaneous				
■ F1001	65T42077U14	Fuse, Semko. 630mA		
◆ F1001	65T42077U14	Fuse, Semko. 630mA		
■ F1002	65T42077U19	Fuse, Semko. 20A		
◆ F1002	65T42077U17	Fuse, Semko. 20A		
IC1001	51T50834F02	IC, μ PC7805H		
LD6401	48T60485F01	LED, SLR-34MG3(GRN)		
LD6402	48T60485F01	LED, SLR-34MG3(GRN)		
LD6403	48T60485F01	LED, SLR-34MG3(GRN)		
LD6404	48T60485F01	LED, SLR-34MG3(GRN)		
● P1001	28T66771F02	Plug, AC Cord		
▲ P1001	28T70972F01	Plug, AC Cord		
■ P1001	28T44061F05	Plug, AC Cord		
◆ P1001	28T43812P02	Plug, AC Cord		
Q1001	48T58614F01	Transistor, 2SD1406		
Q1002	48T58614F01	Transistor, 2SD1406		
Q1005	48T58614F01	Transistor, 2SD1406		
■ S1001	40T80258F03	SW., Voltage Select 2C		
◆ S1001	40T80258F03	SW., Voltage Select 2C		
● T1001	25T15333W01	Trans. Power		
▲ T1001	25T16184W01	Trans. Power		
■ T1001	25T16185W01	Trans. Power		
◆ T1001	25T16185W01	Trans. Power		

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 ◆ ; For West Germany Model Only(AD) ■ ; For England Model Only(AG) Others : Common

Cabinet Assembly Parts List

Note: The parts without part numbers are not supplied.

Symbol No.	IN-dex	Part No.	Description			Symbol No.	IN-dex	Part No.	Description		
● ▲ ■ ◆	1	4-A	64C11383W01	Panel, Front Assy.			58	2-D	09T47688F01	Connector, Wire Joint	
	3	3-G	15C11356W02	Cover, Rear			57	2-D	03S40036U01	Screw, W/Washer (M4x8)	
	3	3-G	15C11356W10	Cover, Rear							
	3	3-G	15C11356W08	Cover, Rear			58		03S71252F05	Screw, Pan (M3x10)	
	3	3-G	15C11356W08	Cover, Rear			59		04A66026F04	Washer, Flat (M3.2)	
							60		02S40000G10	Nut, Hex (M7)	
	4	4-B	36B11370W01	Knob, Eject							
	5	1-C	15C11357W02	Cover, Top			61	3-F	75S92415F11	Cushion, Rubber	
	6	5-C	15T84846F03	LSR-10R			62	4-C	75S62361F43	Cushion, Rubber	
	7	5-F	15T84846F01	LSR-6R			■	64	3-E	09T51410F01	Holder, Fuse
	8		03A82468F01	Screw, Bind (M3x10)		◆	64	3-E	09T51410F01	Holder, Fuse	
						■	65	4-E	43A43610F01	Bush, Sw	
	10		03A44642J03	Screw, Bind (M3x5)							
	11		03C42723U01	Screw, Cup (M3x6)							
	12		03S71031F04	Screw, Bind (M3x8)							
	13	2-F	43B41625J02	Support, Cord							
	15	3-C	45A11371W01	Lever, SW.							
	18	4-A	36A11347W01	Knob, Push							
	19		03T11377W01	Screw, Lever Eject (M3x3.7)							
	21		03S71031F11	Screw, Bind (M3x10)							
	24	2-B	14S94461F47	Insulator, Cover CU							
	25	3-C	03S44205G16	Screw, Countersink (M3x6)							
	26		41A45559F05	Spring, Eject							
	27	4-C	14A13052W01	Insulator, Cover							
	31		03C40121T17	Screw, W/Double Washer (M3x8)							
	32	4-E	29C41045P06	Lug, Board-In 50mm							
	35	5-D	07A12980W01	Spacer, P.C.Board							
	36		03S71031F02	Screw, Bind (M2.6x8)							
	37	3-B	41T11376W01	Spring, Cass							
	38		36A11350W02	Knob, Volume							
	47	4-D	29C41045P02	Lug, Warp Around							
	48		03S40036U04	Screw, W/Washer (M3x6)							
	49		75T11325W01	Trannleg Assy.							
	50		03S44205G82	Screw, Bind (M4x10)							
●	51	5-B	15B11385W01	Cover, Cass Assy.							
▲	51	5-B	15B11385W02	Cover, Cass Assy.							
■	51	5-B	15B11385W02	Cover, Cass Assy.							
◆	51	5-B	15B11385W02	Cover, Cass Assy.							
	52	5-B	15B11386W01	Cover, Cass B Assy.							
	53	2-A	81T15108W01	Cassette, Deck FP77E010							
	54	2-D	81T15109W01	Cassette, Deck FP87E010							
	55	4-B	36C11384W01	Knob, Logic Assy.							

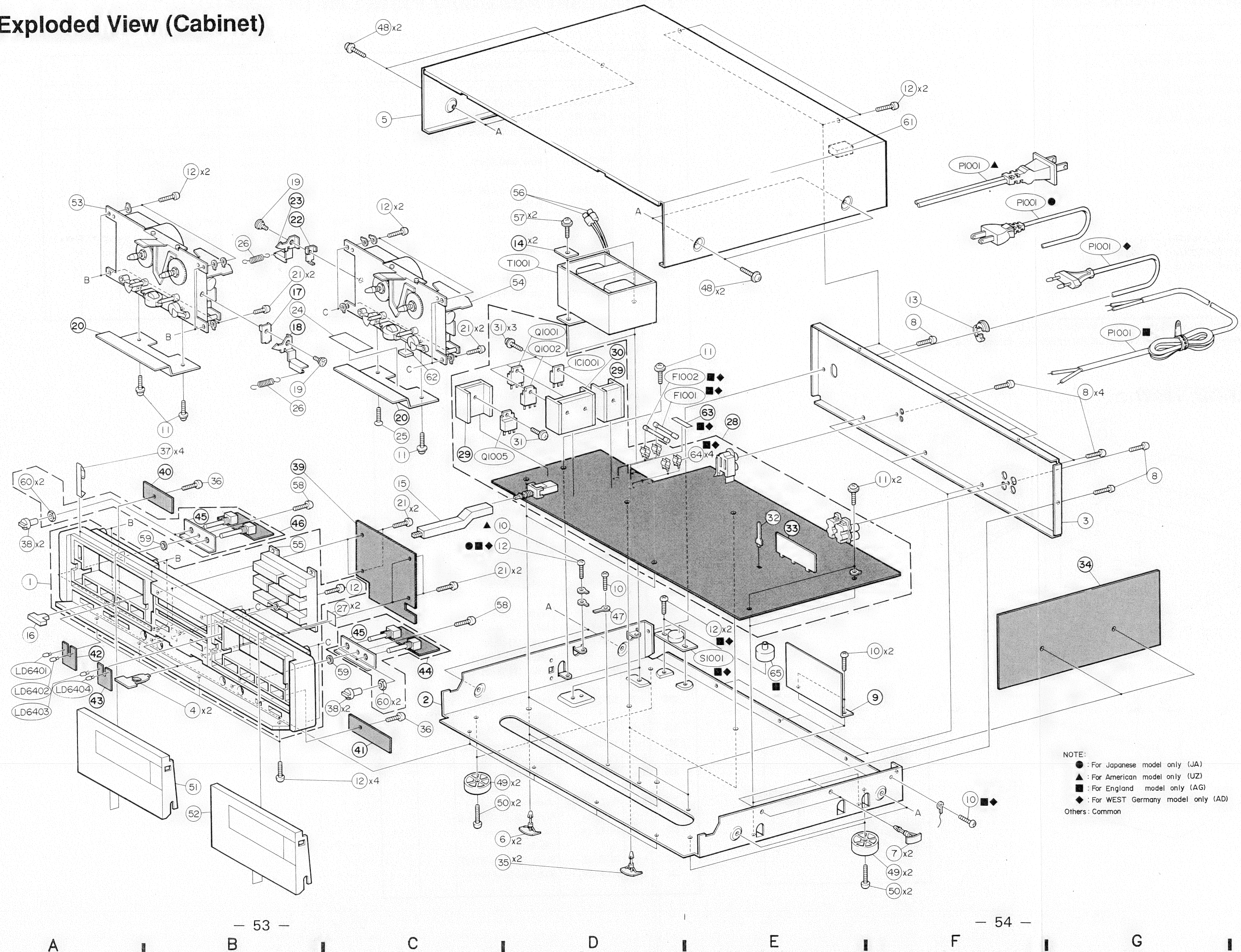
Note: ● : For Japanese Model Only (JA)

▲ : For American Model Only (UZ)

◆ : For West Germany Model Only (AD)

■ : For England Model Only (AG) Others : Common

Exploded View (Cabinet)

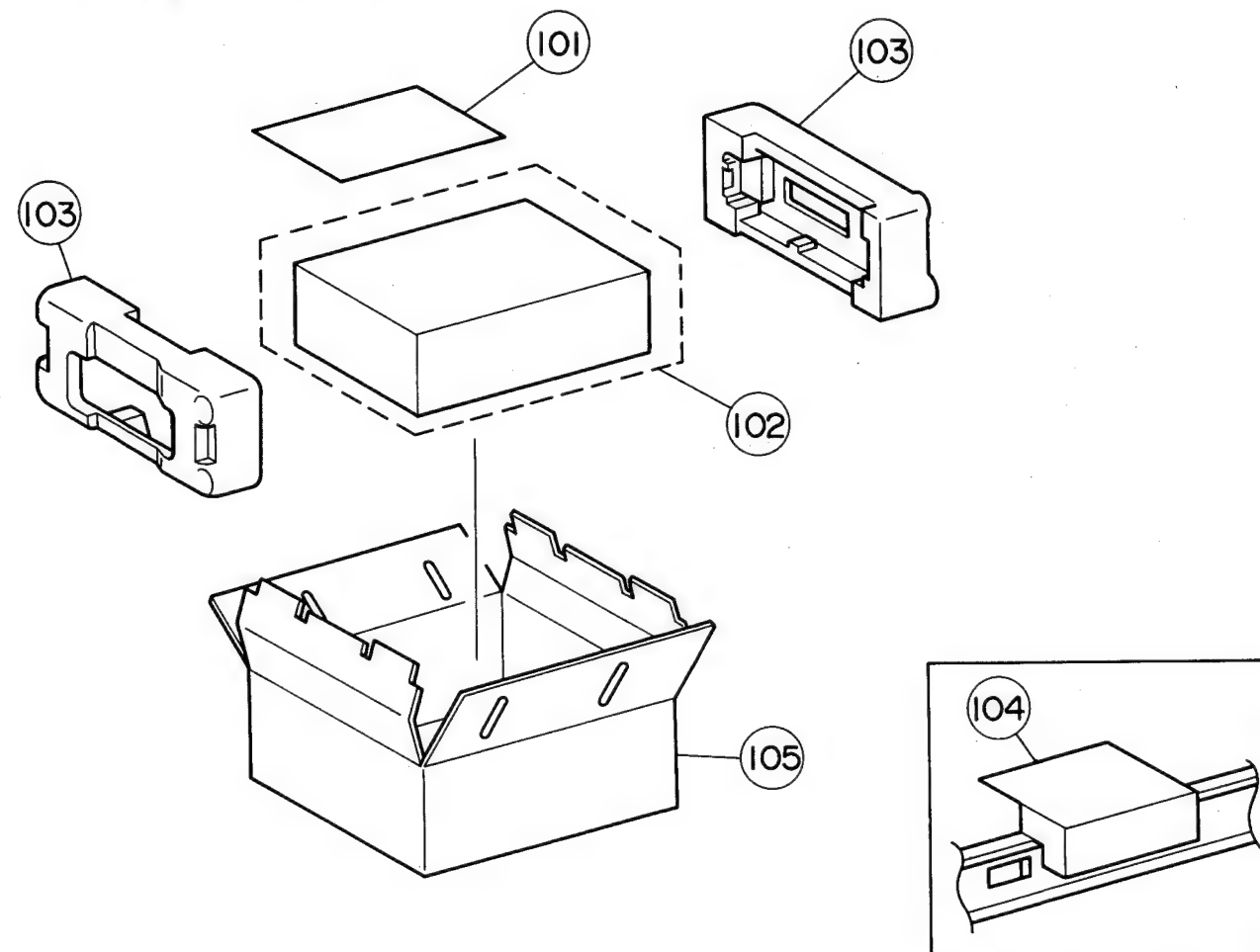


Packing Assembly Parts List

Symbol No.	Part No.	Description		
●	101-1	68P98552F09	Owners. Manual (K-007JA)	
▲	101-1	68P98552F52	Owners. Manual (K-007UZ)	
■	101-1	68P98552F53	Owners. Manual (K-007AG)	
◆	101-1	68P98552F53	Owners. Manual (K-007AD)	
	101-2	28T15331W02	Plug, Output 60 (TSC)	
	101-3	28T15332W02	Cord, Cont 60 (TSC)	
	102	56B13156W02	Packing, Sheet	
	103	56D11359W01	Tray, Packing (R)	
	104	56B13077W01	Pad, Inner	
●	105	56S10005W23	Carton, Packing	
▲	105	56S10005W47	Carton, Packing	
■	105	56S10005W47	Carton, Packing	
◆	105	56S10005W47	Carton, Packing	

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 ◆; For West Germany Model Only(AD) ■; For England Model Only(AG) Others: Common

Packing Method View



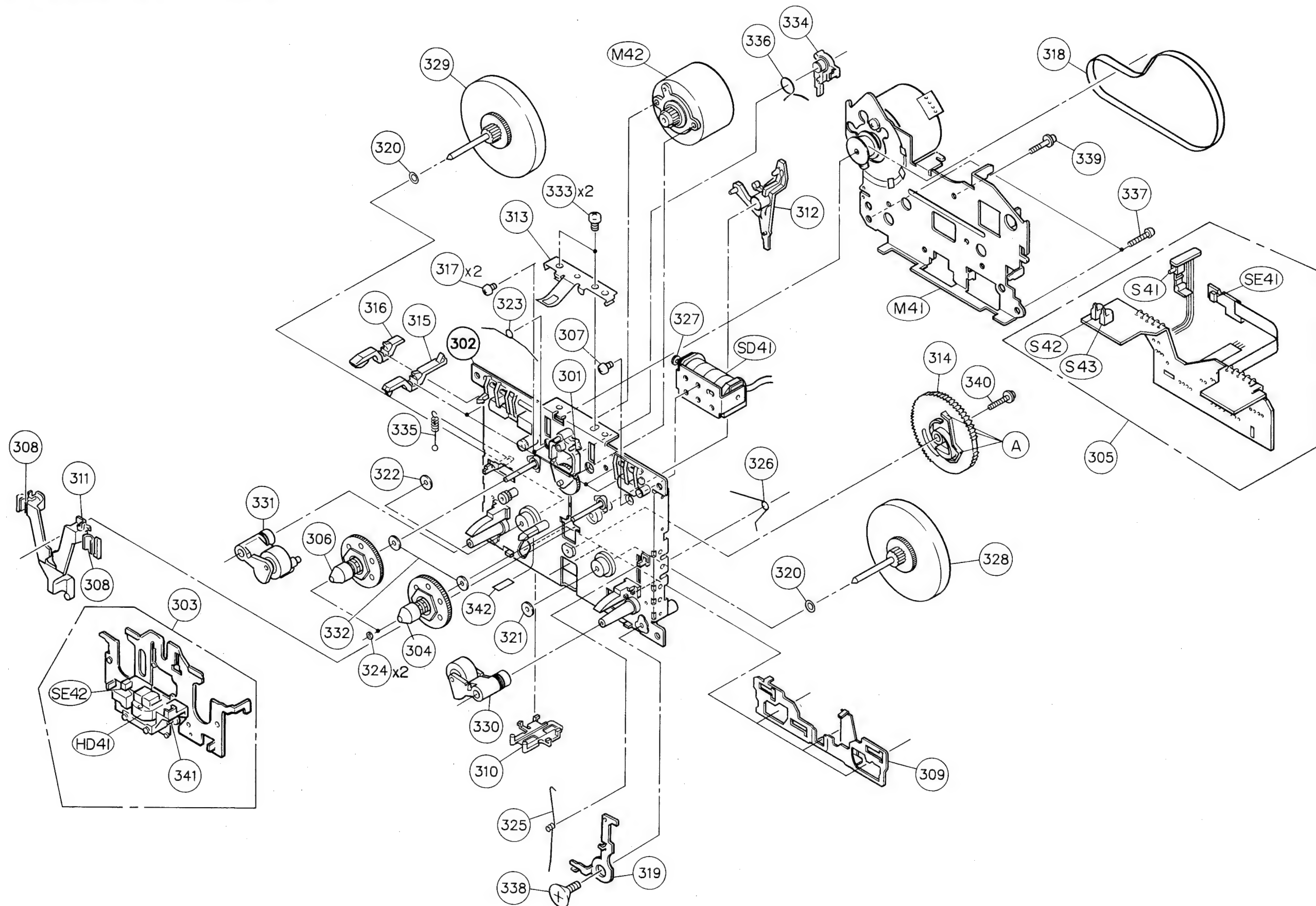
Mechanism Assembly Parts List (A-Deck)

Note: The parts without part numbers are not supplied.

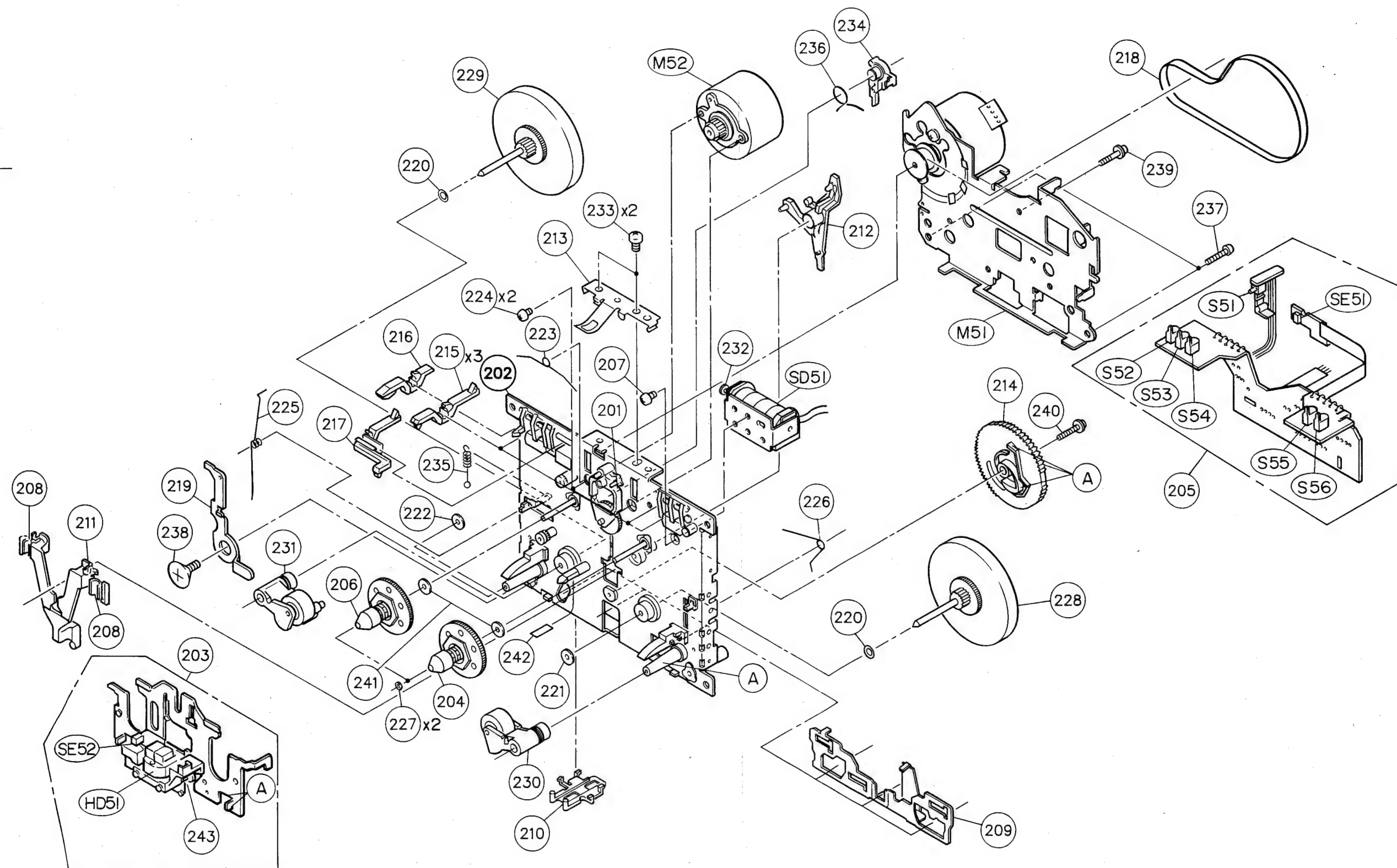
Symbol No.	IN-dex	Part No.	Description		
301	3-D	F517-047	Idler Block		
303	4-B	F513-469	Plate Head Block		
304	4-C	F623-037	Reel Base Block		
305	3-F	F567-217	Control P.C.Board Block		
306	4-B	F623-127	Reel Base Block		
307	2-D	FG114-15	Screw, Pan (M2.6x4)		
308		FF16N-13	Rubber, Brake		
309	5-F	FC47B-15	Plate, Slide		
310	5-C	FD31Y-41	Holder, Lead		
311	3-A	FD36H-12	Lever, Hold (B)		
312	2-E	FD38M-22	Arm, Play (F)		
313	2-C	FC40N-32	Spring, Cassette Holder		
314	3-F	FD39C-52	Gear, Cam (G)		
315	2-C	FD39S-21	Lever, Cr02 Detector		
316	2-C	FD38T-12	Lever, PACK Detector		
317	2-C	FG114-20	Screw, Pan (M2.6x6)		
318	1-F	FF16M-11	Belt, Main		
319	5-D	FC39M-68	Arm, EJECT Prevention (R)		
320		FJ111-30	Washer, Polyslider (M2.6)		
321	4-C	FJ141-11	Washer, Oil (M2.6)		
322	3-C	FJ141-14	Washer, Oil (M2.6)		
323	2-C	FK22E-13	Spring, Hold		
324	4-C	FJ111-17	Washer, Polyslider (M1.7)		
325	5-C	FK22V-15	Spring, EJECT Prevention (R)		
326	3-E	FK25T-13	Spring, Slide		
327	2-D	PL366-11	Plunger		
328	4-F	FR18M-41	Assy., Flywheel		
329	1-C	FR19T-21	Assy., Flywheel		
330	4-C	FR20L-21	Assy., Pinchroller		
331	3-B	FR20M-21	Assy., Pinchroller		
332	4-B	UJ12V-11	Washer, Polyslider (M2.1)		
333	2-D	KG194-11	Screw, Pan (M3x5)		
334	1-E	FD35N-12	Arm, Direction		
335	3-C	FK22N-12	Spring, Turn		
336	1-E	FK25U-13	Spring, Direction		
337	2-G	UG12H-14	Screw, Pan (M2.6x8)		
338	5-C	UG15S-11	Screw, Special (M3x4)		
339	2-F	UG17H-11	Screw, W/Washer (M2.6x23.5)		
340	3-F	UG17L-11	Screw, W/Washer (M2x15)		
341	5-B	F769-016	Housing, Head Block		

Symbol No.	IN-dex	Part No.	Description		
342	4-C	UT11R-11	Plate, Reflector		
			Miscellaneous		
HD41	5-A	FU18L-11	Head		
M41	2-F	F525-252	Main Motor Block		
M42	1-D	F564-258	Reel Motor Block		
S41	2-G	UE16D-12	SW., Leaf (DIR)		
S42	3-F	UE16E-11	SW., Push (HALF)		
S43	3-F	UE16E-11	SW., Push (Cr02)		
SD41	3-E	F765-252	Solenoid Block		
SE41	2-G	AZ15S-00	Sensor, Reel		
SE42	4-A	AZ13P-00	Sensor, Leader Tape		

Exploded View (A-Deck)



Exploded View (B-Deck)



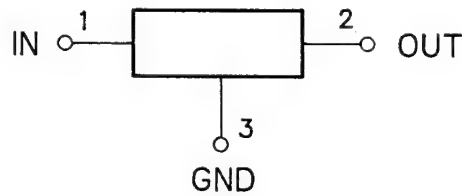
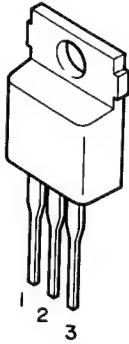
Mechanism Assembly Parts List (B-Deck)

Note: The parts without part numbers are not supplied.

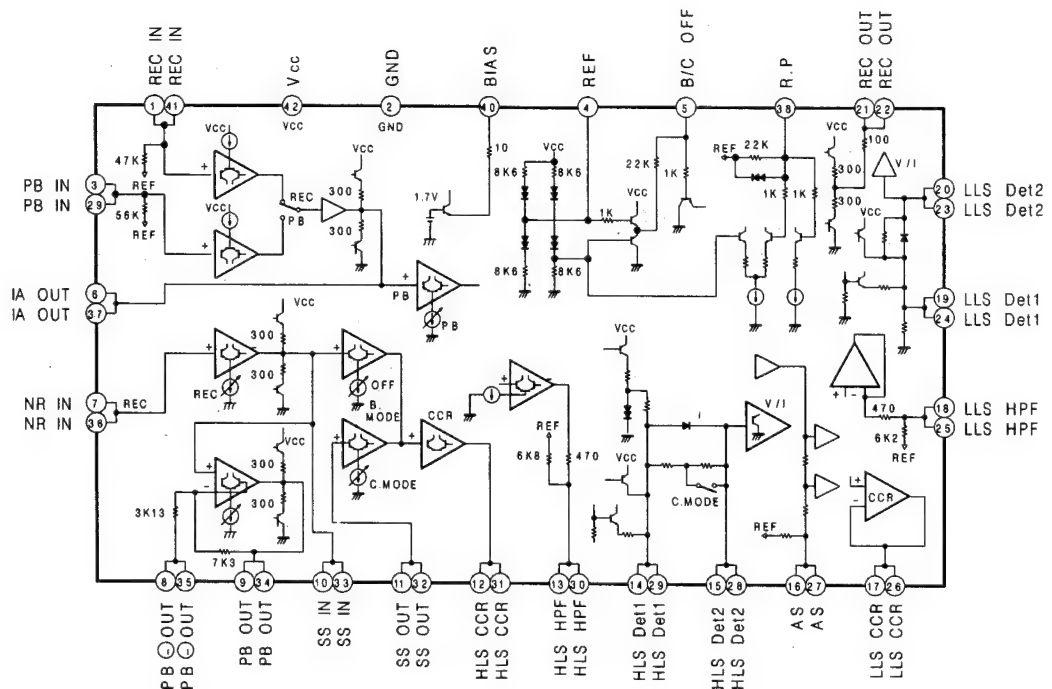
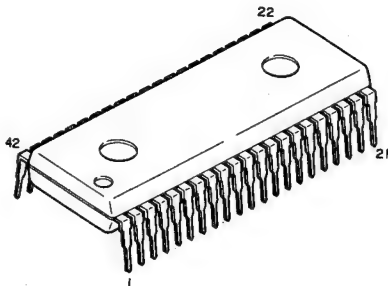
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201	3-D	F517-047	Idler Block			242	4-C	UT11R-11	Plate, Reflector		
203	4-B	F513-468	Plate Head Block			243	5-B	F769-016	Housing, Head Block		
204	4-C	F623-037	Reel Base Block								
205	3-F	F567-217	Control P.C.Board Block								
206	4-B	F623-127	Reel Base Block								
207	2-D	FG114-15	Screw, Pan (M2.6x4)								
208		FF16N-13	Rubber, Brake								
209	5-E	FC47B-15	Plate, Slide								
210	5-C	FD31Y-41	Holder, Lead								
211	3-A	FD36H-12	Lever, Hold (B)								
212	2-E	FD38M-22	Arm, Play (F)								
213	2-C	FC40N-32	Spring, Cassette Holder								
214	3-F	FD39C-52	Gear, Cam (G)								
215	2-C	FD38S-21	Lever, REC Detector								
216	2-C	FD38T-12	Lever, PACK Detector								
217	3-B	FD38U-12	Lever, METAL Detector								
218	1-F	FF16M-11	Belt, Main								
219	3-B	FC39L-63	Arm, EJECT Prevention (L)								
220		FJ111-30	Washer, Polyslider (M2.6)								
221	4-C	FJ141-11	Washer, Oil (M2.6)								
222	3-C	FJ141-14	Washer, Oil (M2.6)								
223	2-C	FK22E-13	Spring, Hold								
224	2-C	FG114-20	Screw, Pan (M2.6x6)								
225	3-B	FK22P-16	Spring, EJECT Prevention (L)								
226	3-E	FK25T-13	Spring, Slide								
227	4-C	FJ111-17	Washer, Polyslider (M1.7)								
228	4-F	FR18M-41	Assy., Flywheel								
229	1-C	FR19T-21	Assy., Flywheel								
230	4-C	FR20L-21	Assy., Pinchroller								
231	3-B	FR20M-21	Assy., Pinchroller								
232	2-D	PL366-11	Plunger								
233	2-D	KG194-11	Screw, Pan (M3x5)								
234	1-E	FD35N-12	Arm, Direction								
235	3-C	FK22N-12	Spring, Turn								
236	1-E	FK25U-13	Spring, Direction								
237	2-G	UG12H-14	Screw, Pan (M2.6x8)								
238	3-B	UG15S-11	Screw, Special (M3x4)								
239	2-F	UG17H-11	Screw, W/Washer (M2.6x23.5)								
240	3-F	UG17L-11	Screw, W/Washer (M2x15)								
241	4-C	UJ12V-11	Washer, Polyslider (M2.1)								
Miscellaneous											
HD51	5-A	FU18D-11	Head								
M51	2-E	F525-252	Main Motor Block								
M52	1-D	F564-258	Reel Motor Block								
S51	2-G	UE16D-12	SW., Leaf (DIR)								
S52	2-F	UE16E-11	SW., Push (HALF)								
S53	3-F	UE16E-11	SW., Push (FWD)								
S54	3-G	UE16E-11	SW., Push (REV)								
S55	3-G	UE16E-11	SW., Push (Cr02)								
S56	3-G	UE16E-11	SW., Push (METAL)								
SD51	2-E	F765-252	Solenoid Block								
SE51	2-G	AZ15S-00	Sensor, Reel								
SE52	4-A	AZ13P-00	Sensor, Leader Tape								

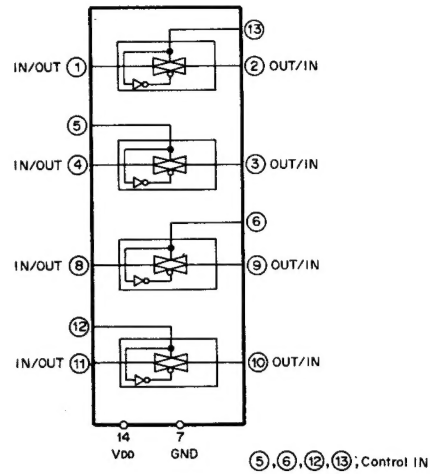
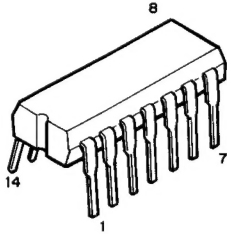
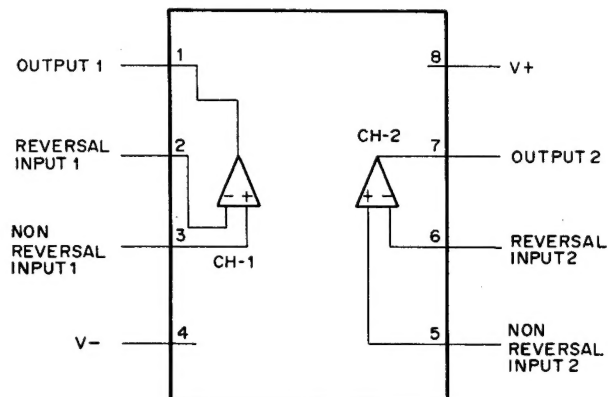
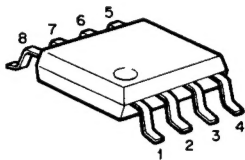
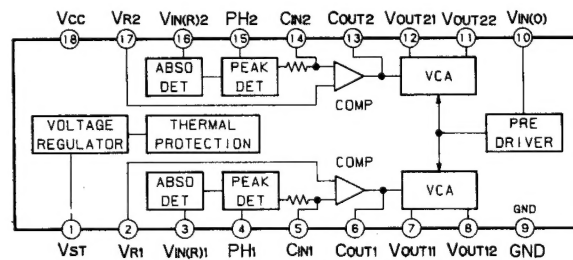
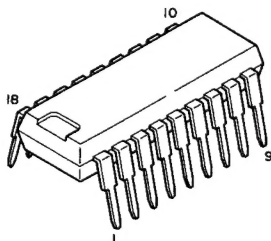
Semi-Conductor Lead Identifications

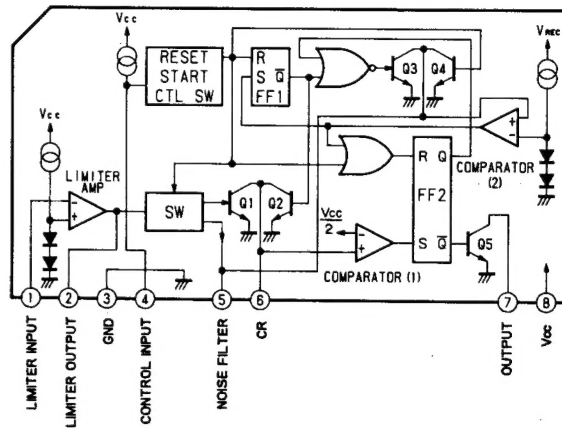
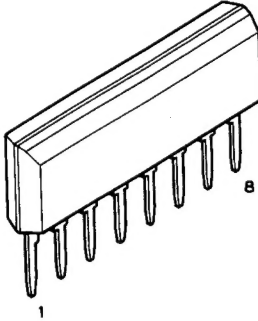
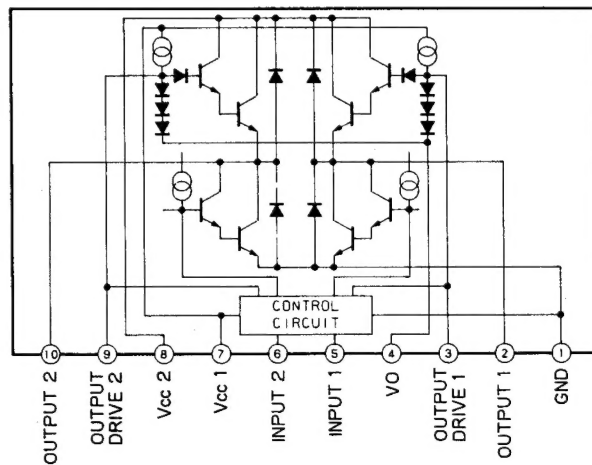
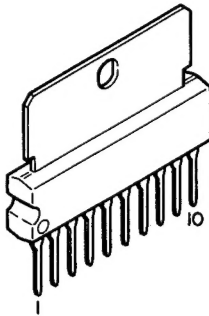
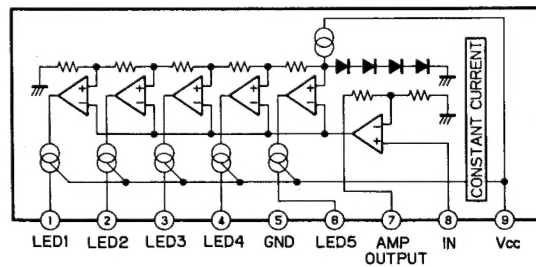
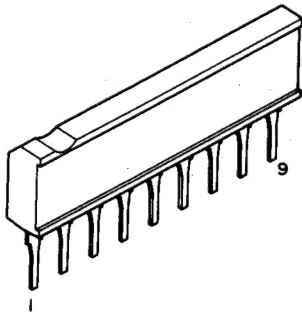
μ PC7805H: IC1001



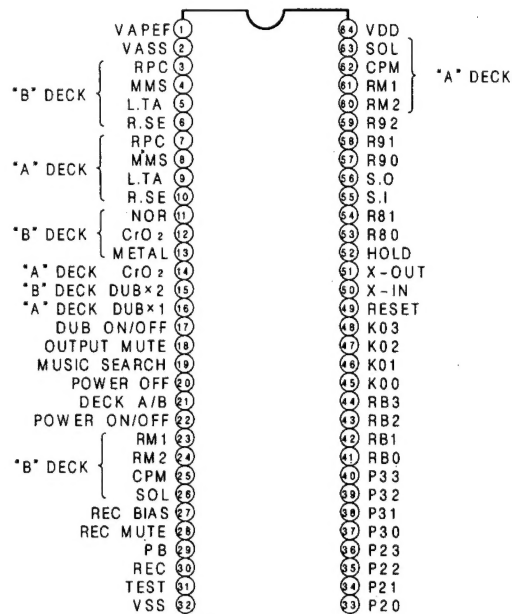
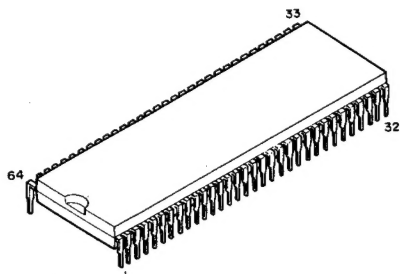
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M51143AL: IC6101**BA6229: IC6071, 6072****BA6124: IC8101, 8102**

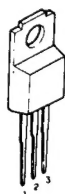
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 2SD1996 : Q3101, 3102, 4003, 4004, 5031, 5032, 5033, 5034, 5035, 5036, 5201, 5202, 5203, 5204,
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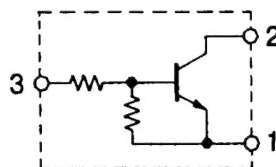
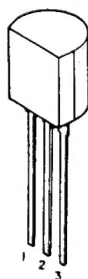
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2. Collector
3. Base

2SD1406: Q1001, 1002, 1005

- 1. Base
- 2. Collector
- 3. Emitter

DTC114Y: Q1032, 1033, 3002, 3003, 6001, 6002, 6003, 6004, 6005, 6006, 6007, 6008, 6009, 6010, Q6011, 6012, 6013, 6014, 6030, 6031, 6032, 6033, 6034, 6035, 6036, 6037, 6052, 6054, Q6071, 6072, 6075, 6076

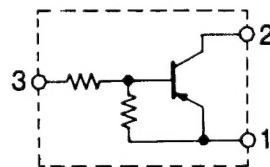
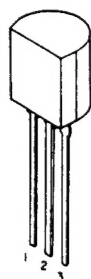
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- 1. Emitter
- 2. Collector
- 3. Base

DTA124E: Q2013, 2014, 2015, 2016, 2114, 2115, 3103, 4005, 4009, 5037, 6015, 6016, 6017, Q6018, 6019, 6020, 6021, 6022, 6023, 6024, 6025, 6053

DTA143E: Q6051



- 1. Emitter
- 2. Collector
- 3. Base